

Note

This parameter is available only when "[Action](#)" is set to "Send Pulse Command", "Send Toggle Voltage Command", "Send Active Voltage Command" or "Send Inactive Voltage Command".

[Edit - DMR Trunking - General Setting - Telemetry - Quick Text](#)

Quick Text

This parameter allows you to set the quick text to be sent when "[Action](#)" is set to "Send Text Message Only".

Default

None

Note

This parameter is available only when "[Action](#)" is set to "Send Text Message Only" or "Send Status w/ Text Command", and "[Digital Call](#)" is not set to "None" at the same time.

[Edit - DMR Trunking - General Setting - One Touch Call/Menu](#)

One Touch Call/Menu

This is a shortcut way for the user to make calls or send messages. By pressing a programmed One Touch Call key, the user can make a call or send a message to the preset contact.

To use the function properly, set the following information

- [Type](#)
- [Call List](#)
- [Call Type](#)
- [Message Content](#)
- [Menu List](#)

[Edit - DMR Trunking - General Setting - One Touch Call/Menu - Type](#)

Type

Set the function of the One Touch Call feature.

Option Description

- [Call](#) Initiate a call to the preset contact.
- [Menu](#) Go to the preset menu directly.

Default

Call

[Edit - DMR Trunking - General Setting - One Touch Call/Menu-Call List](#)

Call List

Call List provides all available contacts.

Option Description

- [None](#) the radio will not perform any operation when the "One Touch Call" key is pressed.
- [The private call contact created in "Contact -> Private Call"](#).
- [The group call contact created in "Contact -> Group Call"](#).
- [All Call in Station](#) The radio will make an All Call in Station when the user presses the programmed One Touch Call key.
- [All Call in Area](#) The radio will make an All Call in Area when the user presses the programmed One Touch Call key.
- [All Call in System](#) The radio will make an All Call in Network when the user presses the programmed One Touch Call key.
- [All Call in Prefix](#) The radio will make an Call in Prefix when the user presses the programmed One Touch Call key.

Default

None

Note

- o Only when the "[All Call in Station](#)", "[All Call in Area](#)", "[All Call in System](#)" and "[All Call in Prefix](#)" are selected in "[Call Authority](#)" can the "[Call List](#)" parameter have the corresponding options.
- o The user cannot use the radio to edit or delete the contacts corresponding to the One Touch Call.

[Edit - DMR Trunking - General Setting - One Touch Call/Menu - Call Type](#)

Call Type

This parameter allows the user to set the service type for One Touch Call.

Option Description

- o When a private call contact is selected in the "[Call List](#)", the available call type will be *General Call, Text Message, Status Message, Emergency Call and Preemption Call.*
- o When a group call contact is selected in the "[Call List](#)", the available call type will be *General Call, Text Message, Status Message, Broadcast Group Call, Emergency Call, Preemption Call and Pre-emptive Broadcast Call, Emergency Broadcast Call.*
The difference between the broadcast group call and the general group call is in a general group call, both the calling party and the called party can transmit and receive voices; in a broadcast group call, only the calling party can transmit voice, while the called party can only receive voice.
- o When "[All Call in Station](#)", "[All Call in Area](#)", "[All Call in System](#)" or "[All Call in Prefix 0–9](#)" is selected in the "[Call List](#)", the available call type will be *General Call, Emergency Call and Preemption Call.*

Default

General Call

Note

When broadcast call is unavailable (see [Call Authority](#)), the radio cannot make such calls.

[Edit - DMR Trunking - General Setting - One Touch Call/Menu - Message Content](#)

Message Content

This option allows the user to configure the text to be sent by One Touch Call.

Note

Only when [Call Type](#) is set to Text Message or Status Message will this option be available.

- o When [Call Type](#) is set to Text Message, the message content will be [Quick Text](#).
- o When [Call Type](#) is set to Status Message, the message content will be [Status Message](#).

[Edit - DMR Trunking - General Setting - One Touch Call/Menu - Menu List](#)

Menu List

This parameter sets the menu to which the radio will go directly after pressing the programmed One Touch Call key.

Options Description

- o None
- o Subgroup
- o Message
- o New Message
- o Quick Message
- o Inbox
- o Outbox
- o Contact List
- o Favorite Contact
- o Call Log
- o Outgoing
- o Incoming
- o Missed
- o Subgroup
- o Query Neighbors
- o Message With Position
- o Audio Set
- o Radio Set
- o LED Indicator
- o Tone

- o [Vibration](#)
- o [View Current Scan List](#)
- o [BT](#)
- o [New Message With Assigned Target](#)
- o [Quick Message With Assigned Target](#)
- o [View Current Scan Group](#)
- o [All Tasks](#)
- o [New Tasks](#)
- o [Busy Task](#)
- o [Data Query](#)

Default

None

[Edit - DMR Trunking - General Setting - Menu](#)**Menu**

Menu is the tool used to sort the functions available in the terminal. Users can use it to operate and manage their desired functions. The first-level menu entries are shown below

- o [Menu Reset Time](#)
- o [Contact](#)
- o [Call Log](#)
- o [Hunt](#)
- o [Subgroup](#)
- o [Mode](#)
- o [Setting](#)
- o [Accessories](#)
- o [Message](#)
- o [Work Order](#)
- o [Data Query](#)

Note*This option is only available for radios with display.*[Edit - DMR Trunking - General Setting - Menu - Menu Reset Time](#)**Menu Reset Time**

This parameter allows users to define the amount of time that the radio remains in the menu mode. The counter will be activated after the radio enters the menu. In the event of no operation (e.g. key press) within the preset time, the radio will exit the menu automatically.

Range

- o *Infinite The radio user can exit the menu manually only.*
- o *1 – 30 s*

Default

10 s

Note*This parameter is available only for the radio with display.*[Edit - DMR Trunking - General Setting - Menu - Contact](#)**Contact**

This parameter decides whether to include Contact on the radio menu.

- o [Favorite Contact](#)
- o [Scan Group](#)
- o [Private Contact](#)
- o [New Contact](#)
- o [Phone Dial](#)

Option Description

- o *Checked Contact will be included on the radio menu.*
- o *Unchecked Contact will not be included on the radio menu.*

Default

Checked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Contact - Favorite Contact](#)

Favorite Contact

This parameter decides whether to include Favorite Contact on the radio menu.

Option Description

- o *Checked* Favorite Contact will be included on the radio menu.
- o *Unchecked* Favorite Contact will not be included on the radio menu.

Default

Checked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Contact - Private Contact](#)

Private Contact

This parameter decides whether to include Private Contact on the radio menu.

- o [Edit Contact](#)
- o [Delete Contact](#)

Option Description

- o *Checked* Private Contact will be included on the radio menu.
- o *Unchecked* Private Contact will not be included on the radio menu.

Default

Checked

Note

This feature is only available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Contact - Private Contact - Edit Contact](#)

Edit Contact

This parameter decides whether to include Edit Contact on the radio menu.

Option Description

- o *Checked* Edit Contact will be included on the radio menu.
- o *Unchecked* Edit Contact will not be included on the radio menu.

Default

Checked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Contact - Private Contact - Delete Contact](#)

Delete Contact

This parameter decides whether to include Delete Contact on the radio menu.

Option Description

- o *Checked* Delete Contact will be included on the radio menu.
- o *Unchecked* Delete Contact will not be included on the radio menu.

Default*Checked***Note***This feature is available for radios with display.*[Edit - DMR Trunking - General Setting - Menu - Contact - Scan Group](#)**Scan Group**

This parameter allows user to set whether to include Scan Group on the radio menu. Radio users can view the current scan group list and manage other scan group lists via the radio menu Scan Group.

- o [Scan Group List](#)

Option Description

- o *Checked* The Scan Group will be included on the radio menu.
- o *Unchecked* The Scan Group will not be included on the radio menu.

Default*Unchecked***Note***This feature is available to mobile and portable radios with display only.*[Edit - DMR Trunking - General Setting - Menu - Contact - Scan Group - Scan Group List](#)**Scan Group List**

This parameter allows user to set whether to include Scan Group List on the radio menu. Radio users can manage the [Members](#) in the list via the radio menu Scan Group List.

- o [Add Member](#)
- o [Delete Member](#)

Option Description

- o *Checked* The Scan Group List will be included on the radio menu.
- o *Unchecked* The Scan Group List will not be included on the radio menu.

Default*Unchecked***Note***This feature is available to mobile and portable radios with display only.*[Edit - DMR Trunking - General Setting - Menu - Contact - Scan Group - Scan Group List - Add Member](#)**Add Member**

*This parameter allows you to set whether to include Add Member on the radio menu. Radio users can add [Members](#) to the Scan Group List via the radio menu Add Member.***Option Description**

- o *Checked* Add Member will be included on the radio menu.
- o *Unchecked* Add Member will not be included on the radio menu.

Default*Unchecked***Note***This feature is available to mobile and portable radios with display only.*[Edit - DMR Trunking - General Setting - Menu - Contact - Scan Group - Scan Group List - Delete Member](#)

Delete Member

This parameter allows you to set whether to include Delete Member on the radio menu. Radio users can delete [Members](#) from the Scan Group List via the radio menu Delete Member.

Option Description

- o *Checked* Delete Member will be included on the radio menu.
- o *Unchecked* Delete Member will not be included on the radio menu.

Default

Unchecked

Note

This feature is available to mobile and portable radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Contact - New Contact](#)

New Contact

This parameter decides whether to include New Contact on the menu. The radio user can add new contacts to the Contact List via menu.

Option Description

- o *Checked* The New Contact will be included on the menu.
- o *Unchecked* The New Contact will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit-DMR Trunking-General Setting-Menu-Contact-Phone Dial](#)

Phone Dial

This parameter allows you to set whether to include Phone Dial in the radio menu. The radio user can access the PSTN/PABX dialing interface via this menu option.

Option Description

- o *Checked* The Phone Dial will be included in the radio menu.
- o *Unchecked* The Phone Dial will not be included in the radio menu.

Default

Unchecked

Note

- o This parameter is available only when "[Customized Phone Dial](#)" is checked.
- o This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Call Log](#)

Call Log

This parameter decides whether to include Call Log on the menu. The radio user can view recent incoming/outgoing/missed calls via the menu.

- o [Outgoing Calls](#)
- o [Incoming Calls](#)
- o [Missed Calls](#)

Option Description

Checked The Call Log will be included on the menu.

Default

Checked

Note

- o This parameter is available only for the radio with display.
- o The same contact will be logged only once.

[Edit - DMR Trunking - General Setting - Menu - Call Log - Outgoing Calls](#)

Outgoing Calls

This parameter decides whether to include Outgoing Calls on the menu. The radio user can view the outgoing call log (10 items at most), and can call these contacts under via the menu.

Option Description

- o Checked The Outgoing Calls will be included on the menu.
- o Unchecked The Outgoing Calls will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Call Log - Incoming Calls](#)

Incoming Calls

This parameter decides whether to include Incoming Calls on the menu. The radio user can view the incoming call log (10 items at most), and can call these contacts via the menu.

Option Description

- o Checked The Incoming Calls will be included on the menu.
- o Unchecked The Incoming Calls will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Call Log - Missed Calls](#)

Missed Calls

This parameter decides whether to include Missed Calls on the menu. The radio user can view the missed call log (10 items at most), and can call these contacts via the menu.

Option Description

Checked The Missed Calls will be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Hunt](#)

Hunt

This parameter decides whether to include Hunt on the menu. The radio user can set related parameters via the menu, such as TSCC Hunt and

Background Hunt.

- o [Channel Info](#)
- o [TSCC Hunt](#)
- o [Background Hunt](#)
- o [HomeStation Hunt](#)
- o [Multi-site Handover](#)
- o [Adjacent List](#)
- o [TSCC Update](#)

Option Description

- o *Checked* The Hunt will be included on the menu.
- o *Unchecked* The Hunt will not be included on the menu.

Default

Unchecked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Hunt - Channel Info](#)

Channel Info

This parameter decides whether to include Channel Info on the radio menu. With this menu, the user can view and switch the control channel.

Option Description

- o *Checked* The Channel Info will be included on the radio menu.
- o *Unchecked* The Channel Info will not be included on the radio menu.

Default

Checked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Hunt - TSCC Hunt](#)

TSCC Hunt

This parameter decides whether to include TSCC Hunt on the menu. The radio user can set hunt mode for the control channel via the menu. For example, the radio can search for available control channel via Comprehensive Hunt or Short Hunt while making a re-registration.

- o [Comprehensive Hunt](#)
- o [Short Hunt](#)
- o [Team Hunt](#)

Option Description

- o *Checked* The TSCC Hunt will be included on the menu.
- o *Unchecked* The TSCC Hunt will not be included on the menu.

Default

Unchecked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Hunt- TSCC Hunt-Comprehensive Hunt](#)

Comprehensive Hunt

This parameter decides whether to include Comprehensive Hunt on the menu. If the radio user selects this option, the radio will search for available control channel via Comprehensive Hunt.

Option Description

- o *Checked* The Comprehensive Hunt will be included on the menu.
- o *Unchecked* The Comprehensive Hunt will not be included on the menu.

Default

Checked

Note

- o This parameter is available only for the radio with display.
- o This feature will be invalid if Hunt is Disable.

[Edit - DMR Trunking - General Setting - Menu - Hunt- TSCC Hunt-Short Hunt](#)

Short Hunt

This parameter decides whether to include Short Hunt on the menu. If the radio user selects this option, the radio will search for available control channel via Short Hunt.

Option Description

- o Checked The Short Hunt will be included on the menu.
- o Unchecked The Short Hunt will not be included on the menu.

Default

Unchecked

Note

- o This parameter is available only for the radio with display.
- o This feature will be invalid if Hunt is Disable.

[Edit - DMR Trunking - General Setting - Menu - Hunt - TSCC Hunt - Team Hunt](#)

Team Hunt

This parameter allows you to set whether to include [Team Hunt](#) on the menu. Team Hunt is used to determined the team hunt channel list to be searched during radio registration.

Option Description

- o Checked To include [Team Hunt](#) on the menu.
- o Unchecked Not to include [Team Hunt](#) on the menu.

Default

Checked

Note

This feature is available for radios with display only.

This feature is invalid if TSCC Hunt is not checked.

[Edit - DMR Trunking - General Setting - Menu - Hunt - Background Hunt](#)

Background Hunt

This parameter decides whether to include Background Hunt on the menu. The radio user can enable or disable the [Background Hunt](#) feature via the menu.

Option Description

- o Checked The Background Hunt will be included on the menu.
- o Unchecked The Background Hunt will not be included on the menu.

Default

Unchecked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Hunt - HomeStation Hunt](#)

HomeStation Hunt

This option allows users to set whether to include HomeStation Hunt into the menu. If included, it can be used to enable or disable the [HomeStation Hunt](#) feature.

Option Description

- Checked to include.
- Unchecked not to include.

Default

Unchecked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Hunt - Multi-site Handover](#)

Multi-site Handover

This option allows users to set whether to include Multi-site Handover into the menu. If included, it can be used to enable or disable the [Multi-site Handover](#) feature.

Option Description

- Checked to include.
- Unchecked not to include.

Default

Unchecked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - TSCC Update](#)

TSCC Update

This parameter allows you to set whether to display the TSCC Update menu in the radio. You can enable or disable the TSCC Update **feature** through this menu. With it **enabled**, when the radio receives TSCC update signaling from trunking system, the radio will update the TSCC list.

Option Description

- Checked Display the TSCC Update menu in the radio.
- Unchecked Do not display the TSCC Update menu in a radio.

Default

Unchecked

Notice

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Hunt - Adjacent List](#)

Adjacent List

This parameter allows you to set whether to include Adjacent List on the menu. Radio user can view the adjacent sites via this menu.

Option Description

- Checked To include Adjacent List on the menu.
- Unchecked Not to include Adjacent List on the menu.

Default

Unchecked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Subgroup](#)

Subgroup

This parameter decides whether to include Subgroup on the menu. The radio user can view subgroup information and make appropriate settings, e.g. viewing group members and setting the default group.

Option Description

Checked The Subgroup will be included on the menu.

Default

Checked

Note

- o This parameter is available only for the radio with display.
- o This parameter is available only for radios with trunking system.

[Edit - DMR Trunking - General Setting - Menu - Mode](#)

Mode

This parameter allows you to select an appropriate operation mode such as Conventional or DMR trunking mode via the radio menu Mode.

- o [Manual Switch](#)
- o [Auto Switch](#)

Option Description

- o Checked Mode will be included on the radio menu.
- o Unchecked Mode will not be included on the radio menu.

Default

Checked

Note

- o This feature is available for radios with display only.
- o When the radio has multiple operation modes, this parameter is checked and displayed by default. The user shall not be able to change it.

[Edit - DMR Trunking - General Setting - Menu - Mode - Manual Switch](#)

Manual Switch

When the radio has multiple operation modes, this parameter is checked and displayed by default.

The user shall be able to switch the radio operation mode via the menu.

Option Description

- o Checked Manual Switch will be included on the radio menu.
- o Unchecked Manual Switch will not be included on the radio menu.

Default

Checked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Mode - Auto Switch](#)

Auto Switch

This parameter allows user to set whether to include [Auto Switch](#) on the radio menu. Radio users can enable or disable the Auto Switch feature via the radio menu "Auto Switch".

Option Description

- o Checked [Auto Switch](#) will be included on the radio menu.

- o Unchecked [Auto Switch](#) will not be included on the radio menu.

Default

Unchecked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Setting](#)

Setting

This parameter decides whether to include Settings on the menu. The radio user can make basic settings or view device information via the menu.

- o [Radio Settings](#)
- o [Audio Settings](#)
- o [Device Information](#)

Option Description

Checked The Settings will be included on the menu.

Default

Checked

[Edit - DMR Trunking - General Setting - Menu - Settings - Audio Settings](#)

Audio Settings

This parameter decides whether to include Audio Settings on the radio menu.

- o [Mic AGC](#)
- o [Voice Frequency Optimization](#)
- o [LQO](#)
- o [Audio Feedback Suppression](#)
- o [Noise Suppression](#)

Option Description

- o Checked Audio Settings will be included on the radio menu.
- o Unchecked Audio Settings will not be included on the radio menu.

Default

Checked

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Audio Settings - Mic AGC](#)

Mic AGC

This parameter decides whether to include Mic AGC on the radio menu. The user can enable or disable the [Mic AGC](#) feature through this menu.

Option Description

- o Checked Mic AGC will be included on the radio menu.
- o Unchecked Mic AGC will not be included on the radio menu.

Default

Checked

Note

This feature is only available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Audio Settings - Always Treble Boost](#)

Always Treble Boost

This parameter decides whether to include Always Treble Boost on the radio menu. The user can enable or disable the [Always Treble Boost](#) feature through this menu.

Option Description

- o *Checked* Always Treble Boost will be included on the radio menu.
- o *Unchecked* Always Treble Boost will not be included on the radio menu.

Default

Checked

Note

This feature is available for mobile radio and portable radios (except for X1p) with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Audio Settings - LQO](#)

LQO

This parameter decides whether to include LQO on the radio's menu. Users can enable or disable [LQO](#) function through this menu.

Option Description

- o *Checked* LQO will be included on the radio's menu.
- o *Unchecked* LQO will be excluded on the radio's menu.

Default

Checked

Note

This option is applicable on mobile radios as well as portable radios with a display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Audio Settings - Audio Feedback Suppression](#)

Audio Feedback Suppression

This parameter decides whether the sub menu "Audio Feedback Suppression" will be included in [Audio Settings](#). You can enable or disable the "Audio Feedback Suppression" feature via the menu.

Option Description

- o *Checked* "Audio Feedback Suppression" will be included on the menu.
- o *Unchecked* "Audio Feedback Suppression" will not be included on the menu.

Default

Unchecked

[Edit - DMR Trunking - General Setting - Menu - Settings - Audio Settings - Noise Suppression](#)

Noise Suppression

This parameter allows you to set whether the "Noise Suppression" option will be included in the [Audio Settings](#) menu. The radio user can enable or disable the [Noise Suppression](#) feature via the option.

Option Description

- o *Checked* The "Noise Suppression" option will be included in the "Audio Settings" menu.
- o *Unchecked* The "Noise Suppression" option will not be included in the "Audio Settings" menu.

Default

Unchecked

Note

This parameter is available only for PD98X.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings](#)

Radio Settings

This parameter decides whether to include Radio Settings in the Menu. Users can configure the following basic parameters

- o [Power Level](#)
- o [Keypad Lock](#)
- o [MIC&SPK](#)
- o [Language](#)
- o [Backlight](#)
- o [Day/ Night Mode](#)
- o [LED Indicator](#)
- o [Tones](#)
- o [Brightness](#)
- o [Vibration](#)
- o [VOX](#)
- o [Encrypt](#)
- o [Encrypt Service](#)
- o [Radio Password](#)
- o [Priority](#)
- o [Authentication](#)
- o [Man Down](#)
- o [Rent](#)
- o [Lone Worker](#)
- o [Date and Time](#)
- o [Covert Mode](#)
- o [Battery Select](#)
- o [Call Divert](#)
- o [Call Setup Mode](#)
- o [Any Call](#)
- o [Keypad Mode](#)
- o [All Call](#)
- o [Select Button Lock](#)
- o [Send Alias](#)
- o [Battery](#)
- o [Vocoder Set](#)

Option Description

- o *Checked* The Radio Settings option will be included in the menu.
- o *Unchecked* The Radio Settings option will not be included in the menu.

Default

Checked

Note

This feature is available for radios with display only.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Power Level](#)

Power Level

This parameter decides whether to include Power Level on the menu. The radio user can toggle the TX power between High and Low via the menu.

Option Description

- o *Checked* The Power Level will be included on the menu.
- o *Unchecked* The Power Level will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Keypad Lock](#)

Keypad Lock 

This parameter decides whether to include Keypad Lock on the menu. The radio user can lock or unlock the keypad via the menu.

Option Description

- o *Checked* The Keypad Lock will be included on the menu.
- o *Unchecked* The Keypad Lock will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display and keypad.

[Edit - DMR Trunking - General Setting - Menu - MIC&SPK](#)

MIC&SPK

This parameter allows you to set whether to include MIC&SPK on the radio menu. Radio users can enable a microphone or speaker via this menu. It is the same setting as in "[Common - UI Setting - Volume - SPK/MIC Selection](#)".

Option Description

- o *Checked* To include MIC&SPK on the radio menu.
- o *Unchecked* To exclude MIC&SPK on the radio menu.

Default

Checked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Language](#)

Language

This parameter decides whether to include Language on the menu. The radio user can select a required language via the menu.

Option Description

- o *Checked* The Language will be included on the menu.
- o *Unchecked* The Language will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Backlight](#)

Backlight

This parameter decides whether to include Backlight on the menu. The radio user can control the backlight via the menu.

Option Description

- o *Checked* The Backlight will be included on the menu.
- o *Unchecked* The Backlight will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Day/ Night Mode](#)

Day/ Night Mode

This parameter allows you to set whether to include Day/ Night Mode on the menu. Radio users can switch between Day/ Night Mode via this menu. The brightness will be different under different modes.

Option Description

- o *Checked To include Day/ Night Mode on the menu.*
- o *Unchecked Not to include Day/ Night Mode on the menu.*

Default

Checked

Note

This feature is only available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - LED Indicator](#)

LED Indicator

This parameter decides whether to include LED on the menu. The radio user can control LED via the menu.

Option Description

- o *Checked The LED will be included on the menu.*
- o *Unchecked The LED will not be included on the menu.*

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Tones](#)

Tones

This parameter decides whether to include Tone on the menu. The radio user can control the tone via the menu.

Option Description

- o *Checked The Tone will not be included on the menu.*
- o *Unchecked The Tone will not be included on the menu.*

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Brightness](#)

Brightness

This parameter decides whether to include Brightness on the menu. The radio user can adjust the brightness of the LCD via the menu.

Option Description

- o *Checked The Brightness will be included on the menu.*
- o *Unchecked The Brightness will not be included on the menu.*

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Vibration](#)

Vibration

This parameter decides whether to include Vibration on the menu. The radio user can enable or disable the Vibration feature via the menu.

Option Description

- *Checked* The Vibration will be included on the menu.
- *Unchecked* The Vibration will not be included on the menu.

Default

Checked

Note

This parameter is available only for the portable radio with display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [VOX](#)

VOX

This option allows users to set whether to include [VOX](#) into the menu.

Option Description

- *Checked* to include.
- *Unchecked* not to include.

Default

Checked

Note

This option is available for mobile radios as well as portable radios with a display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Encrypt](#)

Encrypt

This parameter decides whether to include Encrypt on the radio's menu. Users can enable or disable [Encrypt](#) function through this menu.

Option Description

- *Checked* Encrypt will be included on the radio's menu.
- *Unchecked* Encrypt will be excluded on the radio's menu.

Default

Unchecked

Note

This parameter is available only for the radio with display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Security](#) - [Encrypt](#) - [Encrypt Service](#)

Encrypt Service

This parameter decides the end to end encryption service is applied on which one of the 3 following options

voice, data, voice and data.

Option Description

- *Voice Only* The radio encrypts the voice service only.
- *Data Only* The radio encrypts the data service only.
- *Voice and Data* The radio encrypts both the voice service and the data service.

Default

Voice Only

Note

- o This option is available if the parameter [Encrypt](#) is enabled.
- o Encryption and decryption of PSTN voice services need to be configured via [PSTN Encrypt](#). Encryption and decryption of PABX voice services need to be configured via [PABX Encrypt](#). Encryption and decryption of other voice services need not to be configured separately. With Encrypt feature enabled, just select Voice Only or Voice and Data.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Radio Password](#)

Radio Password

This parameter allows you to set whether to include Radio Password on the radio menu. In Radio Password menu, radio user can modify the [Radio Password](#).

Option Description

- o *Checked* To include Radio Password on the radio menu.
- o *Unchecked* To exclude Radio Password on the radio menu.

Default

Checked

Note

This feature is available for mobile radios and portable radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Priority](#)

Priority  

This parameter decides whether to include Priority on the radio's menu. Users can set the [Priority](#) for voice service via this menu.

Option Description

- o *Checked* Priority will be included on the radio's menu.
- o *Unchecked* Priority will be excluded on the radio's menu.

Default

Unchecked

Note

This option is applicable on mobile radios as well as portable radios with a display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Authentication](#)

Authentication  

This parameter decides whether to include Authentication on the radio's menu. Users can enable or disable [Authentication](#) function through this menu.

Option Description

- o *Checked* Authentication will be included on the radio's menu.
- o *Unchecked* Authentication will be excluded on the radio's menu.

Default

Unchecked

Note

This option is applicable on mobile radios as well as portable radios with a display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Man Down](#)

Man Down 

This parameter decides whether to include Man Down on the radio's menu. Users can enable or disable [Man Down](#) function through this menu.

Option Description

- o *Checked* Man Down will be included on the radio's menu.
- o *Unchecked* Man Down will be excluded on the radio's menu.

Default

Unchecked

Note

This option is applicable only on portable radio with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Rent](#)

Rent

This option decides whether to show "Rent" menu in the radio's interface. Users can query the remaining time of rent by "Rent Query" submenu in "Rent" menu.

Option Description

- o *Checked* The "Rent" menu will be displayed in the radio's interface.
- o *Unchecked* The "Rent" menu will not be displayed in the radio's interface.

Default

Unchecked

Note

- o This parameter is available on mobile radios as well as portable radios with a display.
- o When parameter [Rent](#) is unchecked of [Common](#), this parameter is unavailable.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Lone Worker](#)

Lone Worker

This parameter decides whether to include Lone Worker on the radio menu. The user can enable or disable the [Lone Worker](#) feature through this menu.

Option Description

- o *Checked* Lone Worker will be included on the radio menu.
- o *Unchecked* Lone Worker will not be included on the radio menu.

Default

Checked

Note

This feature is only available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Date and Time](#)

Date and Time

This parameter allows you to set whether to include Date and Time on the radio menu. In Date and Time menu, radio user can enable or disable the time display feature, set the time zone and view the date and time.

- o [Time Zone](#)
- o [Time Display](#)
- o [Time View](#)
- o [Time Set](#)
- o [Time Format](#)

Option Description

- o *Checked* To include Date and Time on the radio menu.
- o *Unchecked* To exclude Date and Time on the radio menu.

Default

Checked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Date and Time - Time Zone](#)

Time Zone

This parameter allows you to set whether to include Time Zone on the radio menu. In Time Zone menu, radio user can change the UTC time to local time.

Option Description

- o *Checked To include Time Zone on the radio menu.*
- o *Unchecked To exclude Time Zone on the radio menu.*

Default

Checked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Date and Time - Time Display](#)

Time Display

This parameter allows you to set whether to include [Time Display](#) on the radio menu. In Time Display menu, radio user can enable or disable the time display feature.

Option Description

- o *Checked To include Time Display on the radio menu.*
- o *Unchecked To exclude Time Display on the radio menu.*

Default

Unchecked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Data and Time - Time View](#)

Time View

This parameter allows you to set whether to include Time View in the radio menu. The radio user can view the date and time via this menu option.

Option Description

- o *Checked The Time View will be included in the radio menu.*
- o *Unchecked The Time View will not be included in the radio menu.*

Default

Unchecked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Date and Time - Time Set](#)

Time Set

This parameter allows you to set whether the "Time Set" option will be included in the radio menu. The radio user can change the time via the menu.

Option Description

- o *Checked The "Time Set" option will be included in the radio menu.*
- o *Unchecked The "Time Set" option will not be included in the radio menu.*

Default

Unchecked

Note

This parameter is available only for PD98X.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Date and Time](#) - [Time Format](#)

Time Format

This parameter allows you to set whether the "Time Format" option will be included in the radio menu. The radio user can set the time format via the menu.

Option Description

- o *Checked* The "Time Format" option will be included in the radio menu.
- o *Unchecked* The "Time Format" option will not be included in the radio menu.

Default

Unchecked

Note

This parameter is available only for PD98X.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Covert Mode](#)

Covert Mode 

This parameter decides whether to include Covert Mode on the radio's menu. Users can enable or disable [Covert Mode](#) through this menu.

Option Description

- o *Checked* Cover Mode will be included on the radio's menu.
- o *Unchecked* Cover Mode will be excluded on the radio's menu.


Default

Checked

Note

This option is applicable only on portable radio with a display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Battery Select](#)

Battery Select 

This parameter allows you to set whether the "Battery Select" menu will be included on the radio menu. Radio users can select the battery model the radio will use via this menu.

Option Description

- o *Checked* The "Battery Select" menu will be included on the radio menu.
- o *Unchecked* The "Battery Select" menu will not be included on the radio menu.

Default

- o *PD7XX series radios (non-Ex)* Checked
- o *Other radios* Unchecked

Note

This parameter is available for portable radios with display only (except for PD980).

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Settings](#) - [Radio Settings](#) - [Call Divert](#)

Call Divert

This parameter allows you to set whether to include Call Divert on the menu. Radio users can enable or disable the Call Divert feature via this menu. With this feature enabled, you can set the target number to which the call will be diverted to.

When the radio is malfunctioned, powered off or the radio users cannot or do not want to answer a call, this feature can divert the call to the target radio.

Option Description

- o *Checked* To include Call Divert on the menu.
- o *Unchecked* Not to include Call Divert on the menu.

Default

Unchecked

Note

This feature is only available for radios with display.

This feature is available for private call, PSTN call and PABX call.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Call Setup Mode](#)

Call Setup Mode 

This parameter decides whether to include Call Setup Mode on the radio menu. The user can switch the call mode between half-duplex and full-duplex through this menu.

Option Description

- o *Checked* Call Setup Mode will be included on the radio menu.
- o *Unchecked* Call Setup Mode will not be included on the radio menu.

Default

Checked

Note

This feature is available for duplex mobile radio with display and PD98X portable radios only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Any Call](#)

Any Call

This parameter allows you to set whether to include Any Call on the radio menu. Radio users can set via this menu whether the radio can only make calls to a contact in the contact list, or the radio can make calls via keypad dialing.

Option Description

- o *Checked* To include Any Call on the radio menu.
- o *Unchecked* To exclude Any Call on the radio menu.

Default

Unchecked

Note

This feature is only available for radios with display and keypad.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Keypad Mode](#)

Keypad Mode

This parameter allows you to set whether to include Keypad Mode on the radio menu. Radio users can set "Keypad Mode" to "Disable", "Enable" or "One Touch Call/Menu" via this menu. Refer to "[Default Numeric Key Selection](#)" for details.

Option Description

- o *Checked* To include Keypad Mode on the radio menu.
- o *Unchecked* To exclude Keypad Mode on the radio menu.

Default

Unchecked

Note

This feature is only available for radios with display and keypad.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - All Call](#)

All Call

This parameter allows you to set whether to include All Call on the radio menu. Radio users can set "All Call" to "Broadcast" or "Non-Broadcast" via this menu. Refer to "[All Call Attribute](#)" for details.

Option Description

- *Checked* To include All Call on the radio menu.
- *Unchecked* To exclude All Call on the radio menu.

Default

Unchecked

Note

This feature is only available for radios with display.

[Edit-DMR Trunking-General Setting-Menu-Settings-Radio Settings-Select Button Lock](#)

Select Button Lock

This parameter allows you to set whether to include Select Button Lock in the radio menu. Via this menu option, the radio user can set whether to lock the key in [Select Button Lock](#).

Option Description

- *Checked* The Select Button Lock will be included in the radio menu.
- *Unchecked* The Select Button Lock will not be included in the radio menu.

Default

Checked

Note

This feature is available for radios with display only.

[Edit-DMR Trunking-General Setting-Menu-Setting-Radio Settings-Send Alias](#)

Send Alias

This parameter allows you to set whether to include Send Alias in the radio menu. The radio user can enable or disable [Send Alias when Talking](#) via this menu option.

Option Description

- *Checked* The Send Alias will be included in the radio menu.
- *Unchecked* The Send Alias will not be included in the radio menu.

Default

Unchecked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Battery](#)

Battery

This parameter allows you to set whether the "Battery" option will be included in the radio menu. The radio user can check whether the battery is supplied by the Company via the menu. If smart battery is used, the radio use can check the battery information via the menu.

Option Description

- *Checked* The "Battery" option will be included in the radio menu.
- *Unchecked* The "Battery" option will not be included in the radio menu.

Default

Unchecked

Note

This parameter is available only for PD6 series and PD98X.

[Edit - DMR Trunking - General Setting - Menu - Settings - Radio Settings - Device Information](#)

Device Information

This parameter decides whether to include Device Information (mainly referring to some basic information of the radio) on the menu.

Option Description

Checked The Device Information will be included on the menu.

Default

Checked

Note

- o This parameter is only available for the radio with display.
- o The device information is subject to the specific radio.

[Edit - DMR Trunking - General Setting - Menu - Accessories](#)

Accessories

This parameter decides whether to include Accessories on the menu. The radio user can access the accessories via the menu.

- o [GPS](#)
- o [BT](#)
- o [Horn Lights](#)

Option Description

- o Checked The Accessories will be included on the menu.
- o Unchecked The Accessories will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Accessories - GPS](#)

GPS

This parameter decides whether to include Positioning on the menu. You can configure the following parameters via the menu

- o [Position View](#)
- o [Positioning System](#)
- o [Voice with GPS](#)
- o [Message With Position](#)
- o [Query Neighbors](#)

Option Description

- o Checked The Positioning will be included on the menu.
- o Unchecked The Positioning will not be included on the menu.

Default

Checked

Note

- o You cannot view Positioning information if the [Positioning](#) is Disabled.
- o This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Accessories - Position View](#)

Position View

This parameter decides whether to include Position on the menu. The radio user can view the current Positioning information via the menu.

Option Description

- o *Checked* The Position will be included on the menu.
- o *Unchecked* The Position will not be included on the menu.

Default

Checked

Note

- o This option will be invalid if Positioning is Disabled.
- o This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Accessories - Positioning System](#)

Positioning System

Sets whether "[Positioning System](#)" will be included on the menu. Users can enable Positioning System feature via the menu.

Option Description

- o *Enable* The Positioning System will be included on the menu.
- o *Disable* The Positioning System will not be included on the menu.

Default

Disable

Note

This feature is available for COMPASS radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Accessories - GPS - Voice with GPS](#)

Voice with GPS

This parameter allows you to set whether to display the Voice with GPS menu in a radio. You can enable or disable the Voice with GPS feature through this menu.

Option Description

- o *Checked* display the Voice with GPS menu in a radio.
- o *Unchecked* do not display the Voice with GPS menu in a radio.

Default

Unchecked

Notice

This feature is available for radios with display and positioning chip only.

[Edit - DMR Trunking - General Setting - Menu - Accessories - GPS - Message With Position](#)

Message With Position

This parameter decides whether to include Message With Position on the menu.

Option Description

- o *Checked* Message With Position will be included on the menu.
- o *Unchecked* Message With Position will not be included on the menu.

Default

Unchecked

Note

- This parameter is available if the Positioning feature is enabled.
- This feature is available for radios with display only.
- This feature will be unavailable when the [Packet Data](#) is set to None.

[Edit - DMR Trunking - General Setting - Menu - Accessories - GPS - Query Neighbors](#)

Query Neighbors

This parameter decides whether to include [Query Neighbors](#) on the menu.

Option Description

- Checked [Query Neighbors](#) will be included on the menu.
- Unchecked [Query Neighbors](#) will not be included on the menu.

Default

Unchecked

Note

- This parameter is available if the Positioning feature is enabled.
- This feature is available for radios with display only.
- This feature will be unavailable when the [Packet Data](#) is set to None.

[Edit - DMR Trunking - General Setting - Menu - Accessories - BT](#)

BT

This parameter decides whether to include [BT](#) on the radio menu. The user can enable or disable the [BT](#) feature through this menu.

This feature must be enabled for working with a wireless earpiece.

Option Description

- Checked [BT](#) will be included on the radio menu.
- Unchecked [BT](#) will not be included on the radio menu.

Default

Checked

Note

This feature is available for X1p and PD98X portable radios only.

[Edit - DMR Trunking - General Setting - Menu - Accessories - Horn & Lights](#)

Horn & Lights

This parameter decides whether to include [Horn & Lights](#) on the radio menu. The user can enable or disable the [Horn & Lights](#) feature through this menu.

Option Description

- Checked [Horn & Lights](#) will be included on the radio menu.
- Unchecked [Horn & Lights](#) will not be included on the radio menu.

Default

Checked

[Edit - DMR Trunking - General Setting - Menu - Message](#)

Message

This parameter decides whether to include [Message](#) on the menu. Users can configure the following basic parameters

- [New Msg](#)
- [Quick Text](#)
- [Inbox](#)
- [Outbox](#)

- o [Drafts](#)
- o [Manual Dial](#)
- o [Status Message](#)

Option Description

Checked The Message will be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Message - New Msg](#)

New Msg

This parameter decides whether to include New Msg on the menu. The radio user can create new messages, each with a maximum of 23 characters. and can send or save them in the Drafts.

Option Description

- o Checked The New Msg will be included on the menu.
- o Unchecked The New Msg will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Message - Quick Text](#)

Quick Text

This parameter decides whether to include Quick Text on the menu. A maximum of 10 predefined text messages can be stored in the radio. The radio user can directly edit or send them via the menu.

Option Description

- o Checked The Quick Text will be included on the menu.
- o Unchecked The Quick Text will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Message - Inbox](#)

Inbox

The parameter decides whether to include Inbox on the menu. The Inbox can automatically save up to 50 last received messages. In addition, the radio user can reply or forward these messages in the Inbox via the menu.

- o [Reply](#)
- o [Forward](#)

Option Description

Checked The Inbox will be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Message - Reply](#)

Reply

This parameter decides whether to include Reply on the menu. The radio user can reply the current message via the menu.

Option Description

- o *Checked* The Reply will be included on the menu.
- o *Unchecked* The Reply will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Message - Inbox - Reply - Group Reply](#)

Group Reply

This parameter allows you to set whether the radio can reply to the corresponding group contact when replying a group message.

Option Description

- o *Checked* When replying group message, radio users can select the sending private contact or the corresponding group contact as the receiver.
- o *Unchecked* The radio users can only reply to the sending private contact/

Default

Checked

Note

This feature is available for radios with display only.

[Edit - DMR Trunking - General Setting - Menu - Message - Forward](#)

Forward

This parameter decides whether to include Forward on the menu. The radio user can forward the current message via the menu.

Option Description

- o *Checked* The Forward will be included on the menu.
- o *Unchecked* The Forward will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit - DMR Trunking - General Setting - Menu - Message - Outbox](#)

Outbox

This parameter decides whether to include Outbox on the menu. The Outbox can automatically save up to 50 last sent messages. In addition, the radio user can re-send or forward these messages in the Outbox via the menu.

Option Description

- o *Checked* The Outbox will be included on the menu.
- o *Unchecked* The Outbox will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Message](#) - [Drafts](#)

Drafts

This parameter decides whether to include Drafts on the menu. The radio user can re-edit or send the message which is saved in the Drafts. It can save the last 20 messages.

Option Description

- o *Checked* The Drafts will be included on the menu.
- o *Unchecked* The Drafts will not be included on the menu.

Default

Checked

Note

This parameter is available only for the radio with display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Message](#) - [Manual Dial](#)

Manual Dial

This parameter allows you to set whether to include Manual Dial on the radio menu.

Option Description

- o *Checked* To include Manual Dial on the radio menu.
- o *Unchecked* To exclude Manual Dial on the radio menu.

Default

Checked

Note

This feature is available for radios with display only.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Message](#) - [Status Message](#)

Status Message

This parameter decides whether to include Status Message on the menu. The messages in Status Message menu is defined in Status Message in the CPS. Users can only check and send the status message but not modify or delete it in the menu interface of the host.

Option Description

- o *Checked* The Status Message will be included on the Message menu.
- o *Unchecked* The Status Message will be excluded on the Message menu.

Default

Checked

Note

This feature is available on radios with display.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Menu](#) - [Work Order](#)

Work Order

This parameter is read only. This parameter will be checked when [Work Order](#) is enabled. This feature will be included on the menu and radio users can set the work order status via this menu. This parameter will be unchecked when [Work Order](#) is disabled. This feature will not be included on the menu.

Note

This feature is only available for radios with display.

[Edit - DMR Trunking - General Setting - Menu - Data Query](#)

Data Query

This parameter is read only. This parameter will be checked when [Data Query](#) is enabled. This feature will be included on the menu and radio users can query the corresponding data via this menu. This parameter will be unchecked when [Data Query](#) is disabled. This feature will not be included on the menu.

[Edit - DMR Trunking - General Setting - Buttons](#)

Buttons

This parameter allows you to set the functions of programmable keys and DTMF dialing keys (in telephone system) on the radio.

- o [Button](#)
- o [DTMF](#)
- o [Any Call](#)
- o [Keypad Block](#)

[Edit - DMR Trunking - General Setting - Buttons - Button](#)

Button

This part allows users to assign your desired features as shortcut to some keys of the radio (Such as TK, SK1 and SK2). The programmable keys vary with different radio types, as described below

Every key corresponds to two kinds of operations long press or short press. They can be associated to different features or the same feature.

- o [TK Short](#)
- o [TK Long](#)
- o [SK1 Short](#)
- o [SK1 Long](#)
- o [SK2 Short](#)
- o [SK2 Long](#)
- o [P1 Short](#)
- o [P1 Long](#)
- o [P2 Short](#)
- o [P2 Long](#)
- o [P3 Short](#)
- o [P3 Long](#)
- o [P4 Short](#)
- o [P4 Long](#)
- o [Up](#)
- o [Down](#)
- o [Answer Key](#)
- o [Home Key](#)
- o [Back](#)
- o [Group Switch Type](#)
- o [Long Press Duration](#)
- o [Long Press Duration for Emergency Off](#)
- o [Long Press Duration for Operation Mode Switch](#)
- o [ACC TK Short \[ACC P3/TK Short\]](#)
- o [ACC TK Long \[ACC P3/TK Long\]](#)
- o [ACC P1 Short](#)
- o [ACC P1 Long](#)
- o [ACC P2 Short](#)
- o [ACC P2 Long](#)
- o [ACC Knob](#)
- o [Default Numeric Key Selection](#)

[Edit - DMR Trunking - General Setting - Buttons - Button - TK Short](#)

TK Short

This parameter allows you to program a feature for short press of the TK. The "Note" column will describe the supported radios. When no description is given, it means all radios are supported.

Option Description

Option	Description	Note
Background Hunt	Press this key to enable or disable Background Hunt feature.	/
View Current Scan List	Press this key to access the "Current Scan List" menu directly. Radio user can view the members in the current scan list and their attachment status. Also, radio user can report the member changes in the scan list to the system.	/
Clear Down	Press this key to end the ongoing call.	/
Favorite Contact List	Press this key to access the "Favorite Contact" menu.	/
ReDial Call	Press this key to call the last person you have contacted.	/
Home Screen	Press this key to return to home screen directly.	/
Lone Worker	Press this key to enable or disable the Lone Worker feature.	/
Current Subgroup Contact	Press this key to access the current subgroup member list.	/
Phone Dial	Press this key to access the PSTN/PABX dialing interface.	/
Man Down	Press this key to enable or disable the Man Down feature.	This feature is available for portable radio with Man Down only.
Battery Power Indicator	Press this key to provide a momentary indication of the battery power level. Power indication is as follows: High (3 blocks with green LED indication), Medium (2 blocks with orange LED indication), Low (1 block with red LED indication), Lowest (No block with red LED indication and Low battery Beep).	This feature is available for portable radio only.
Message	Press this key to access the "Message" menu. Also, you can access the "Message" menu via "Menu -> Message".	/
Radio Silent	Press this key to enable or disable the radio silent feature.	/
Private Contact List	Press this key to access the "Contact List" menu.	/
Operation Mode	Press this key to access the "Mode" menu.	/
Call Log	Press this key to access the "Call Log" menu.	/
BackDial Call	Press this key to call the last person who has contacted you.	/
HomeStation Hunt	Press this key to enable or disable HomeStation Hunt feature.	/
Encrypt	Press this key to enable or disable the Encrypt feature.	/
Keypad Lock	Press this key to lock or unlock the keypad.	This feature is available for portable radio only.
Emergency On	Press this key to initiate an emergency alarm. This is the recommended option for the TK Short. (Only short press supports this feature and long press must be set as Emergency Off.)	/
Emergency Off	Press this key to end an emergency alarm. This is the recommended option for the TK Long. (Only long press supports this feature and short press must be set as Emergency On.)	/
SPK Set Switch	Press this key to switch between Only Internal, Only External, and External First. See SPK Selection for details.	This feature is available for portable radio and mobile radio only.
BT	Press this key to enable or disable the BT feature. Please enable the BT feature before using the wireless earpiece. BT is a kind of wireless technology that supports short-distance (generally within 10m) communications and information exchange between devices. Such as mobile phones, PDAs, wireless earpieces, laptops.	This feature is available for X1e, X1p and PD98X only.
BT Audio Switch	Press this key to switch the audio output device between wireless earpiece and radio in BT connection mode. There is no need to disconnect or reconnect the wireless earpiece during switching.	This feature is available for X1e, X1p and PD98X only.
	Press this key to switch the operation mode of radio. Key press duration is set via Long Press	

Operation Mode Switch	Duration for Operation Mode Switch . The default mode can be set in "Common -> Setting -> Default Operation Mode".	/
Mic Set Switch	Press this key to switch between Follow PTT, Only Internal, Only External, and External First. See MIC Selection for details.	This feature is available for portable radio and mobile radio only.
Mode Auto Switch	Press this key to enable or disable the Mode Automatic Switch feature.	/
Call Setup Mode	Press this key to switch the call setup mode between half duplex and full duplex.	This feature is available for duplex mobile radio and PD98X portable radios only.
Switch to Dynamic Subgroup	Press this key to switch to a dynamic subgroup and set it as the current group. If there is only a dynamic subgroup 1, pressing this key will switch between the current group and dynamic subgroup 1; if there are dynamic subgroup 1 and dynamic subgroup 2, pressing this key will switch between the current group, dynamic subgroup 1 and dynamic subgroup 2.	This feature is available for radios with display only.
Day/Night Mode	Press this key to switch between day mode and night mode.	/
Hunt mode	Press this key to access the "Hunt" menu and select the appropriate mode.	/
Scan Group List	<ul style="list-style-type: none"> When Scan Group List is checked, press key to disable the scan group list. The radio will not perform scan group attachments to the contacts in the scan group list. When Scan Group List is not checked, press key to enable the scan group list. The radio will perform scan group attachments to the contacts in the scan group list. 	/
VOX	Press this key to enable or disable the VOX feature.	/
Time View	To view the current time on the radio.	This feature is available only for PD98X.
Horn & Lights	Press this key to enable or disable the Horn & Lights feature.	This feature is available for mobile radio only.
Manual Current Hunt	Press this key to allow the radio to hunt according to the preset hunt mode automatically.	/
Clarity Transmission Modem	Press this key to allow the radio to enter or quit the Clarity Transmission Modem mode.	This feature is available for mobile radio only.
Adjust Power Level	Press this key to change the TX power between High and Low.	/
None	No function is assigned to this key.	/
Channel Info	Press this key to access the "Channel Info" menu. Radio user can view and switch the control channel via this menu.	/
Public Address	Press this key to enable or disable the Public Address feature.	This feature is available for mobile radio only.
Telemetry Button 1 - 3	Set this key as Telemetry button. Press this key to trigger the Telemetry feature.	/
One Touch Call/Menu 1 - 5	Press this key to call or send a message to the preset contact.	/
Volume Up	Press this key to increase the volume.	This feature is available for X1e and X1p only.
Volume Down	Press this key to decrease the volume.	This feature is available for X1e and X1p only.
LQO	Press this key to enable or disable the LQO feature. With this feature enabled, the radio can adjust the audio quality automatically according to ambient changes.	/
Covert Mode	Press this key to enable or disable the Covert Mode feature. With this feature enabled, the radio will disable the visible and audible indications such as LED and vibration. Refer to Select Covert Feature for more details.	This feature is available for portable radio only.
Voice Notify	To enable or disable the Voice Notify feature.	This feature is available only for PD98X.
Multi-site Handover	Press this key to enable or disable Multi-site Handover feature.	/
Subgroup Up	Press this key to switch the subgroup in subgroup list in an ascending way.	/

Subgroup Down	Press this key to switch the subgroup in subgroup list in an descending way.	/
Group Up	Press this key to change the group call contact in an ascending way.	/
Group Down	Press this key to change the group call contact in a descending way.	/

Default

Emergency On

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Button](#) - [TK Long](#)

TK Long

This option allows users to configure which function to access by pressing the top key. The available functions are the same as those of [TK Short](#).

Option Description

See [TK Short](#) for related information.

Default

Emergency Off

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Button](#) - [SK1 Short](#)

SK1 Short 

This option allows users to configure which function to access by pressing the side key 1 shortly. The available functions are the same as those of [TK Short](#).

Option Description

See [TK Short](#) for related information.

Default

Adjust Power Level

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Button](#) - [SK1 Long](#)

SK1 Long 

This option allows users to configure which function to access by pressing the side key 1. The available functions are the same as those of [TK Short](#).

Option Description

See [TK Short](#) for related information.

Default

None

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Button](#) - [SK2 Short](#)

SK2 Short 

This option allows users to configure which function to access by pressing the side key 2 shortly. The available functions are the same as those of [TK Short](#).

Option Description

See [TK Short](#) for related information.

Default

Manual Current Hunt

[Edit - DMR Trunking - General Setting - Buttons - Button - SK2 Long](#)

SK2 Long 

This option allows users to configure which function to access by pressing the side key 2. The available functions are the same as those of [TK Short](#).

Option Description

See [TK Short](#) for related information.

Default

None

[Edit - DMR Trunking - General Setting - Buttons - Button - P1 Short](#)

P1 Short 

This option allows users to assign desired feature to P1 with short press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#) --> Options.

Default

Adjust Power Level

[Edit - DMR Trunking - General Setting - Buttons - Button - P1 Long](#)

P1 Long 

This option allows users to assign desired feature to P1 with long press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#) --> Options.

Default

None

[Edit - DMR Trunking - General Setting - Buttons - Button - P2 Short](#)

P2 Short 

This option allows users to assign desired feature to P2 with short press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#) --> Options.

Default

Private Contact List

[Edit - DMR Trunking - General Setting - Buttons - Button - P2 Long](#)

P2 Long 

This option allows users to assign desired feature to P2 with long press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#)--> Options.

Default

None

[Edit - DMR Trunking - General Setting - Buttons - Button - P3 Short](#)

P3 Short 

This option allows users to assign desired feature to P3 with short press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#)--> Options.

Default

Message

[Edit - DMR Trunking - General Setting - Buttons - Button - P3 Long](#)

P3 Long 

This option allows users to assign desired feature to P3 with long press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#)--> Options.

Default

None

[Edit - DMR Trunking - General Setting - Buttons - Button - P4 Short](#)

P4 Short 

This option allows users to assign desired feature to P4 with short press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#) --> Options.

Default

Manual Current Hunt

[Edit - DMR Trunking - General Setting - Buttons - Button - P4 Long](#)

P4 Long 

This option allows users to assign desired feature to P4 with long press. Refer to [TK Short](#)

Option Description

Refer to [TK Short](#) --> Options.

Default

None

[Edit - DMR Trunking - General Setting - Buttons - Button - Up](#)

Up

This parameter allows you to assign a function to the Up key.

Option Description

- o None This button does not work.
- o Group Up To change the group call contact in an ascending way
- o Group Down To change the group call contact in a descending way.
- o Subgroup Up To switch the subgroup in subgroup list in an ascending way.
- o Subgroup Down To switch the subgroup in subgroup list in a descending way.

Default

None

Note

Click Button Preview to view the key picture.

[Edit - DMR Trunking - General Setting - Buttons - Button - Down](#)

Down

This parameter allows you to assign a function to the Down key.

Option Description

- o None This button does not work.
- o Group Up To change the group call contact in an ascending way
- o Group Down To change the group call contact in a descending way.
- o Subgroup Up To switch the subgroup in subgroup list in an ascending way.
- o Subgroup Down To switch the subgroup in subgroup list in a descending way.

Default

None

Note

Click Button Preview to view the key picture.

[Edit - DMR Trunking - General Setting - Buttons - Button - Answer Key](#)

Answer Key

This parameter allows you to assign a function to the Answer key.

Option Description

- o ReDial When the user presses this key, the radio will enter the ReDial call log.
- o None

Default

None

Note

You can click "Button Preview" to see the button deployment.

[Edit - DMR Trunking - General Setting - Buttons - Button - Home Key](#)

Home Key

This parameter allows you to assign a function to the Home key.

Option Description

- o *BackDial* When the user presses this key, the radio will enter the BackDial call log.
- o *None*

Default

None

Note

You can click "Button Preview" to see the button deployment.

[Edit-DMR Trunking-General Setting-Buttons-Button-Back](#)

Back

This parameter allows you to assign the function from the drop-down list to the **Back** key.

Option Description

- o *None* No function is assigned to the **Back** key.
- o *Subgroup* The Subgroup function is assigned to the **Back** key. When the radio user presses this key on the home screen, the radio can access the subgroup list.

Default

Subgroup

Note

You can click Button Preview to view the key picture.

[Edit - DMR Trunking - General Setting - Buttons - Button - Group Switch Type](#)

Group Switch Type

This parameter allows you to set the group switching type when switching group via key or knob.

Option Description

- o *Switch in Subgroup* To switch group in the current subgroup only.
- o *Switch across Subgroups* To switch group across the subgroups.
 - *Group Up when switching across subgroups*
The next group of the last group in the current subgroup is the first group of the next subgroup.
The next subgroup of the last subgroup is the first subgroup.
 - *Group Down when switching across subgroups*
The previous group of the first group in the current subgroup is the last group of the previous subgroup.
The previous subgroup of the first subgroup is the last subgroup.

Default

Switch in Subgroup

Note

Click Button Preview to view the key picture.

[Edit - DMR Trunking - General Setting - Buttons - Button - Long Press Duration](#)

Long Press Duration

This option allows users to configure the duration of long press of a button.

Range

0.5– 5 seconds

Step

0.5 second

Default

2 seconds

[Edit - DMR Trunking - General Setting - Buttons - Button - Long Press Duration for Emergency Off](#)

Long Press Duration for Emergency Off

This parameter is used to set the how long the user should keep pressing the Emergency key to exit the Emergency mode.

Range

0.5 – 5s

Step

0.5s

Default

2s

[Edit - DMR Trunking - General Setting - Buttons - Button - Long Press Duration for Operation Mode Switch](#)

Long Press Duration for Operation Mode Switch

This parameter allows you to set the press duration for operation mode switch when pressing the programmed **Operation Mode Switch** key.

Range

0.5 - 5 Seconds

Step

0.5 Seconds

Default

2 Seconds

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC TK Short \[ACC P3/TK Short\]](#)

ACC TK Short [ACC P3/TK Short]

This option allows users to assign desired feature to ACC TK or ACC P3 with short press.

Option Description

Refer to [TK Short](#) --> Options Description.

Default

- ACC TK Short None
- ACC P3/TK Short Clear Down

Note

To see key picture, click **Button Preview**.

For the mobile radio, this parameter is ACC TK Short; For X1e/X1p portable radio, this parameter is ACC P3/TK Short.

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC TK Long \[ACC P3/TK Long\]](#)

ACC TK Long [ACC P3/TK Long]

This option allows users to assign desired feature to ACC TK or ACC P3 with long press.

Option Description

Refer to [TK Short](#) --> Options Description.

Default

None

Note

To see key picture, click **Button Preview**.

For the mobile radio, this parameter is ACC TK Long; For X1e/X1p portable radio, this parameter is ACC P3/TK Long.

ii

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC P1 Short](#)

ACC P1 Short  

This option allows users to assign desired feature to ACC P1 with short press.

Option Description

Refer to [TK Short](#) --> Options Description.

Default

Adjust Power Level

Note

This feature is available only for mobile radios and X1e/X1p portable radios.

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC P1 Long](#)

ACC P1 Long  

This option allows users to assign desired feature to ACC P1 with long press.

Option Description

Refer to [TK Short](#) --> Options Description.

Default

None

Note

This feature is available only for mobile radios and X1e/X1p portable radios.

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC P2 Short](#)

ACC P2 Short  

This option allows users to assign desired feature to ACC P2 with short press.

Option Description

Refer to [TK Short](#) --> Options Description.

Default

Manual Current Hunt

Note

This feature is available only for mobile radios and X1e/X1p portable radios.

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC P2 Long](#)

ACC P2 Long

This option allows users to assign desired feature to ACC P2 with long press.

Option Description

Refer to [TK Short](#) --> Options Description.

Default

None

Note

This feature is available only for mobile radios and X1e/X1p portable radios.

[Edit - DMR Trunking - General Setting - Buttons - Button - ACC Knob](#)

ACC Knob

You can rotate this knob to change the volume or group call contact. Its specific function is subject to change via the drop-down box.

Option Description

- o *Volume* to change the volume level.
- o *Group Call* change the group call contact.

Default

Volume

Note

You can click Button Preview to see details.

[Edit - DMR Trunking - General Setting - Buttons - Button - Default Numeric Key Selection](#)

Default Numeric Key Selection

This parameter allows you to set whether numeric key press can trigger certain features.

Option Description

- o *Disable* The radio will not perform any operation and will give alert tones upon long/short press of the numeric key.
- o *Enable* The radio user can dial numbers upon short press of the numeric key and trigger the programmed feature upon long press of the numeric key.
- o *One Touch Call/Menu* The radio will not perform any operation upon short press of the numeric key. The radio user can make an One Touch Call or go to the preset menu directly upon long press of the numeric key. Refer to "[One Touch Call/Menu](#)" for details.

Default

Enable

Note

This feature is only available for radios with display and keypad.

[Edit - DMR Trunking - General Setting - Buttons - DTMF](#)

DTMF

The DTMF (Dual-Tone Multi-Frequency) encoding technology uses two specific tones (high and low) to represent a number, so as to realize some features.

After accessing the phone system, the radio can send or receive phone calls, which are based on the DTMF signaling.

- o [Hold Time](#)

- o [Live Dial Min Digit Duration](#)
- o [Live Dial Max Digit Duration](#)
- o [Live Dial Digit Interval Duration](#)
- o [Digital DTMF Tx Gain](#)

Note

This feature is available for radios with display.

[Edit - DMR Trunking - General Setting - Buttons - DTMF - Hold Time](#)

Hold Time

The radio supports two dialing methods (buffer dialing and live dialing). The Hold Time has different indications for the two methods.

- o *The Hold Time of "Buffer Dial" indicates the time that carrier lasts or the speaker keeps muted after the DTMF code sequence (i.e. a phone number) is sent.
Buffer Dial operates like the dialing on the mobile phone. The user inputs the complete phone number string (each number is corresponding to a DTMF code) on the keypad, and then presses the Dial key (e.g. PTT key) to call.*
- o *The Hold Time of "Live Dial" means the time that carrier lasts or the speaker keeps muted after a DTMF code is sent. If no DTMF code is input within the duration, it indicates that the phone number is input completely.
The radio will send the corresponding DTMF code immediately after the user enters a digit or a character via the keypad. Each digit or character is corresponding to a DTMF code.*

Range

100 – 5000 ms

Step

20 ms

Default

2000 ms

[Edit - DMR Trunking - General Setting - Buttons - DTMF - Live Dial Min Digit Duration](#)

Live Dial Min Digit Duration

This parameter allows the user to set the minimum duration of a single DTMF code during live dialing.

Live dialing means that the radio will send the corresponding DTMF code immediately after the user enters a digit or a character via the keypad. Each digit or character is corresponding to a DTMF code.

Conditions	Results
Key Hold-down Time < Live Dial Min Digit Duration	The transmission duration of the DTMF code is the Live Dial Min Digit Duration .
Key Hold-down Time > Live Dial Max Digit Duration	The transmission duration of the DTMF code is the Live Dial Max Digit Duration .
Live Dial Min Digit Duration = Key Hold-down Time = Live Dial Max Digit Duration	The transmission duration of the DTMF code is the Key Hold-down Time .

Range

25 - 2500ms

Step

25ms

Default

50ms

Note

The [Live Dial Min Digit Duration](#) must be shorter than [Live Dial Max Digit Duration](#).

[Edit - DMR Trunking - General Setting - Buttons - DTMF - Live Dial Max Digit Duration](#)

Live Dial Max Digit Duration

This parameter allows the user to set the maximum duration of a single DTMF code during live dialing.

Live dialing means that the radio will send the corresponding DTMF code immediately after the user enters a digit or a character via the keypad. Each digit or character is corresponding to a DTMF code.

Conditions	Results
Key Hold-down Time < Live Dial Min Digit Duration	The transmission duration of the DTMF code is the Live Dial Min Digit Duration .
Key Hold-down Time > Live Dial Max Digit Duration	The transmission duration of the DTMF code is the Live Dial Max Digit Duration .
Live Dial Min Digit Duration = Key Hold-down Time = Live Dial Max Digit Duration	The transmission duration of the DTMF code is the Key Hold-down Time .

Range

50 - 7500ms

Step

50ms

Default

750ms

Note

The [Live Dial Min Digit Duration](#) must be shorter than [Live Dial Max Digit Duration](#).

[Edit - DMR Trunking - General Setting - Buttons - DTMF - Live Dial Digit Interval Duration](#)

Live Dial Digit Interval Duration

This parameter allows the user to set the interval for transmitting the DTMF codes.

Live dialing means that the radio will send the corresponding DTMF code immediately after the user enters a digit or a character via the keypad. Each digit or character is corresponding to a DTMF code.

Range

25 – 2500 ms

Step

25 ms

Default

50 ms

[Edit - DMR Trunking - General Setting - Buttons - DTMF - Digital DTMF Tx Gain](#)

Digital DTMF Tx Gain

This option allows users to set the gain for transmitting DTMF signals on the digital channel. The larger the gain the greater the DTMF signal amplitude becomes.

Range

-8 – 8dB

Step

1

Default

0

Note

- o This option is available for radios using "AMBE++" instead of "SELV" technology.
- o To ascertain this, go to "Menu -> Settings -> Device Info" to view "Firmware Version" of Radios, where its first letter "A" indicates "AMBE++" or "S" indicates "SELV".

[Edit - DMR Trunking - General Setting - Buttons - Any Call](#)

Any Call

Any Call allows the radio to make calls to the radios whose ID is not listed in contact list. If Private Call is checked, the radio can make calls to any private ID except its own radio ID. If Private Call is unchecked, the radio can only make calls to contacts in contact list or the emergency contact. If Group Call is checked, the radio can make calls to any group ID except the background group. If Group Call is unchecked, the radio can only make calls to group contacts, emergency contact or dynamic group ID. Any Call feature of PSTN&PABX is similar to that of Private Call.

- o [Private Call](#)
- o [PSTN&PABX](#)
- o [Group Call](#)

Note

- o This feature is only available for radios with display and keypad.
- o This parameter is valid only when "[Default Numeric Key Selection](#)" is set to "Enable".

[Edit - DMR Trunking - General Setting - Buttons - Any Call - Private Call](#)

Private Call

This parameter allows you to set whether to enable [Any Call](#) feature for private calls.

Option Description

- o Checked Any Call feature is enabled for private calls.
- o Unchecked Any Call feature is disabled for private calls.

Default

Checked

Note

- o This feature is only available for radios with display and keypad.
- o This parameter is valid only when "[Default Numeric Key Selection](#)" is set to "Enable".

[Edit - DMR Trunking - General Setting - Buttons - Any Call - PSTN&PABX](#)

PSTN&PABX

This parameter allows you to set whether to enable [Any Call](#) feature for PSTN&PABX calls.

Option Description

- o Checked Any Call feature is enabled for PSTN&PABX calls.
- o Unchecked Any Call feature is disabled for PSTN&PABX calls.

Default

Checked

Note

- o This feature is only available for radios with display and keypad.
- o This parameter is valid only when "[Default Numeric Key Selection](#)" is set to "Enable".

[Edit - DMR Trunking - General Setting - Buttons - Any Call - Group Call](#)

Group Call

This parameter allows you to set whether to enable [Any Call](#) feature for group calls.

Option Description

- o *Checked* Any Call feature is enabled for group calls.
- o *Unchecked* Any Call feature is disabled for group calls.

Default

Checked

Note

- o *This feature is only available for radios with display and keypad.*
- o *This parameter is valid only when "[Default Numeric Key Selection](#)" is set to "Enable".*

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Keypad Block](#)

Keypad Block

The feature allows user to lock the physical keys and knobs of the radio. After keys and knobs are locked, the radio will not respond to the operations of these keys and knobs.

- o [Group/ACC Knob](#)
- o [PTT](#)

Note

This feature can be programmed via CPS only.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Keypad Block](#) - [Group/ACC Knob](#)

Group/ACC Knob

This parameter allows you to set whether to disable the Group/ACC knob. After the Group/ACC knob is disabled, the radio user cannot switch the group via Group/ACC knob.

Option Description

- o *Checked* To disable the Group/ACC knob.
- o *Unchecked* To enable the Group/ACC knob.

Default

Unchecked

Note

When the Group/ACC knob is disabled, [Designated Power On Subgroup/Group](#) or [Power Off Group Backup](#) must be configured properly.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Buttons](#) - [Keypad Block](#) - [PTT](#)

PTT

This parameter allows you to set whether to disable the PTT key. After the PTT key is disabled, the radio user cannot initiate voice service or calls via internal or external PTT key.

Option Description

- o *Checked* To disable the PTT key.
- o *Unchecked* To enable the PTT key.

Default

Unchecked

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Security](#)

Security

This is to set the features for security.

- o [Emergency](#)
- o [Man Down](#)
- o [Lone Worker](#)
- o [Hytera Authentication](#)
- o [DMR Authentication](#)

- o [Encrypt](#)

[Edit - DMR Trunking - General Setting - Security - Emergency](#)

Emergency

In case of an emergency, you can use this feature to ask for help from your colleagues or control center. The Emergency process has the highest priority. You can make emergency operation even when your radio is transmitting or receiving.

- o [Emergency Type](#)
- o [Emergency Mode](#)
- o [Emergency Number Type](#)
- o [Emergency Number](#)
- o [Call Type](#)
- o [Emergency Call Total Time](#)
- o [Wait Back Call Time](#)
- o [Alarm TX Retry Times](#)
- o [Call To Follow](#)
- o [Emergency Receive Ignore Group Attribute](#)
- o [Voice Cycles](#)
- o [Hot Mic Duration](#)
- o [TX Interval Duration](#)

[Edit - DMR Trunking - General Setting - Security - Emergency - Emergency Type](#)

Emergency Type

This parameter allows you to choose the type of emergency. The option specifies the type of alert for the radio during an emergency.

Option Description

- o *Siren Only* The radio will emit siren locally, but will not transmit any emergency signal to the control center.
- o *Regular* The radio gives visible and audible indications during emergency state.
- o *Silent* The radio gives no indication during emergency state.
- o *Silent w/ Voice* The radio gives no indication during emergency state, but will unmute its speaker once it receives a call.
- o *Alarm w/ Siren* The radio transmits the emergency signals to the control center first, and then gives siren locally with visible indication. The radio gives visible and audible indications during emergency state.

Default

Alarm w/ Siren

[Edit - DMR Trunking - General Setting - Security - Emergency - Emergency Mode](#)

Emergency Mode

This parameter allows you to select the emergency mode.

Option Description

- o *Alarm* The radio only sends emergency alarm request upon emergency activation.
- o *Alarm w/ Call* The radio sends emergency alarm request before the emergency call upon emergency activation.
- o *Call Only* The radio only transmit emergency call upon emergency activation.

Default

Alarm

Note

This parameter will be available only when "[Emergency Type](#)" is set to "Regular", "Silent" or "Silent w/ Voice".

[Edit - DMR Trunking - General Setting - Security - Emergency - Emergency Number Type](#)

Emergency Number Type

This parameter decides the target ID type which the radio will use to make an emergency call during emergency process.

Option Description

- o *Selected Group* The radio will use the Group Call ID shown in the home screen to make an emergency call during emergency process. In this case, the radio cannot use the radio ID to make an emergency call.

- o *Designed Number* The radio will use the *Designed Number* to make an emergency call during emergency process.

Default

Designed Number

[Edit - DMR Trunking - General Setting - Security - Emergency - Emergency Number](#)

Emergency Number

This option allows you to set a target ID to be called in case of an emergency. This ID can be a Private Call ID, Group Call ID, All Call ID or Dispatcher ID.

Range

The emergency number must conform to the [Dial Scheme](#)

[Edit - DMR Trunking - General Setting - Security - Emergency - Call Type](#)

Call Type

This parameter allows you to set a private call, a group call, or All call to be an emergency call. This feature will be valid only when [Emergency Number Type](#) is set to **Designed Number**.

Default

Private Call

Note

This parameter can be set only when [Dial Rules](#) is set to **DMR Flat**.

The default value of [Emergency Number](#) is different for each call type.

[Edit - DMR Trunking - General Setting - Security - Emergency - Emergency Call Total Time](#)

Emergency Call Total Time

This parameter indicates the total time taken from the beginning to the end of an emergency call.

Range

- o 1seconds ~C 2315 minutes
- o Infinite

Default

Infinite

[Edit - DMR Trunking - General Setting - Security - Emergency - Wait Back Call Time](#)

Wait Back Call Time

After the status message is sent to the [Emergency Number](#), the radio can only receive calls from the *Emergency Number* during the time period as this parameter decides. This helpfully avoids any failure to communicate with the responding party in time due to interruption from other calls.

Range

0 – 30s

Step

1s

Default

3s

[Edit - DMR Trunking - General Setting - Security - Emergency - Alarm Tx Retry Times](#)

Alarm Tx Retry Times

This parameter decides how many times the radio can retry to send the status message in case of sending failure.

Range

0–10

Step

1

Default

0

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Security](#) - [Emergency](#) - [Call To Follow](#)

Call To Follow

This parameter decides whether the radio transmits voices automatically during an emergency call.

Option Description

- o *Checked* The radio transmits voices automatically during an emergency call.
- o *Unchecked* The radio does not transmit voices automatically during an emergency call.

Default

Unchecked

Note

This option is available if the parameter "EmergencyMode" is set to "Emergency Call" or "Alarm Call".

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Security](#) - [Emergency](#) - [Emergency Receive Ignore Group Attribute](#)

Emergency Receive Ignore Group Attribute

If the radio needs to receive the emergency call of Participant Group, it must set the Participant Group or Radio ID as current group. This feature allows the radio to ignore this receiving restriction.

Option Description

- o *Checked* The radio can receive the emergency call of Participant Group in the subgroup list regardless of the current group.
- o *Unchecked* If the radio needs to receive the emergency call of Participant Group, it must set the Participant Group or Radio ID as current group.

Default

Checked

Note

When [Scan Group Attachment](#) is enabled, Emergency Receive Ignore Group Attribute will be invalid, and the radio can only receive call from attached groups.

[Edit](#) - [DMR Trunking](#) - [General Setting](#) - [Security](#) - [Emergency](#) - [Voice Cycles](#)

Voice Cycles

This parameter decides the number of cycles the radio transmits voices automatically. The radio user can directly speak into the microphone without holding down the PTT.

Range

1~255

Step

1

Default

1

Note

This option is available if the parameter [Call To Follow](#) is checked.

[Edit - DMR Trunking - General Setting - Security - Emergency - Hot Mic Duration](#)

Hot Mic Duration

This parameter decides the length of time that the radio automatically transmits voice during an emergency call. During this time, there is no need to press the PTT key to transmit voice.

Range

10 - 230 Seconds

Step

1 Second

Default

10 Second

Note

This option is available if the parameter [Call To Follow](#) is checked.

[Edit - DMR Trunking - General Setting - Security - Emergency - TX Interval Duration](#)

TX Interval Duration

This parameter decides how often the voice is transmitted automatically during emergency call. After the TX Interval Duration expires, the radio will keep transmitting the voice automatically within the specified period configured in the Hot Mic Duration. The radio will periodically carry out the above process until the Voice Cycle expires.

Range

1 - 230 Seconds

Step

1 Second

Default

5 Seconds

Note

This option is available if the parameter [Call To Follow](#) is checked.

[Edit - DMR Trunking - General Setting - Security - Man Down](#)

Man Down

Once this feature is enabled. Once the feature is activated, if the portable radio tilts to a certain gradient (see "[Trig Tilt Gradient](#)") and is not placed upright within "[Trig Entry Delay Time](#)", or stay motionless within "[Trig Entry Delay Time](#)", the radio will enter Emergency mode.

- o [Man Down](#)
- o [Trig Entry Delay Time](#)
- o [Man Down Pre-Alert Time](#)

[Edit - DMR Trunking - General Setting - Security - Man Down - Man Down](#)

Man Down

This option decides whether to enable the Man Down feature. When this feature is enabled, the radio will automatically enter Emergency mode in case it is placed horizontally or falls over.

Option Description

- Checked Man Down is enabled.
- Unchecked Man Down is disabled.

Default

Unchecked

[Edit - DMR Trunking - General Setting - Security - Man Down - Trig Entry Delay Time](#)

Trig Entry Delay Time

This option defines the time period before the emergency mode is activated. If the radio is placed upright within this period, the Emergency mode will not be activated.

Range

0–255 seconds (0 second means the feature would be activated as soon as the radio falls down.)

Step

1 second

Default

10 seconds

Note

When [Man Down](#) is unchecked, this parameter will be unavailable.

[Edit - DMR Trunking - General Setting - Security - Man Down - Man Down Pre-Alert Time](#)

Man Down Pre-Alert Time

After you Man Down the radio and within [Trig Entry Delay Time](#) before the emergency mode is activated, the radio will pre-alert you to the situation. This parameter is to set the alert time.

Range

0–254 seconds (0 means the emergency mode will be activated without any pre-alert.)

Step

1 second

Default

5 seconds

Note

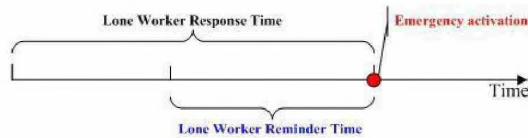
- When [Man Down](#) is unchecked, this parameter will be unavailable.
- The Man Down Pre-Alert Time must be shorter than or equal to [Trig Entry Delay Time](#).

[Edit - DMR Trunking - General Setting - Security - Lone Worker](#)

Lone Worker

This feature is ideal for persons who work alone. If the user encounters an incident and cannot operate the radio within the preset time period, the radio will alarm automatically to summon help from the user's companion.

See the following figure for details



Example Supposing that the Lone Worker Response Time is set to one minute and the Lone Worker Reminder Time is set to 20 seconds. When the user does not operate the radio within 40 seconds, the alert tone will be given to remind the user that the radio will enter the emergency mode soon. In the remaining 20 seconds, if the user still does not perform any operation, the radio will trigger an alarm automatically.

- o [Lone Worker](#)
- o [Lone Worker Response Time](#)
- o [Lone Worker Reminder Time](#)

[Edit - DMR Trunking - General Setting - Security - Lone Worker - Lone Worker](#)

Lone Worker

With the Lone Worker feature enabled, the radio will enter the Emergency mode automatically if no physical operation (rotating a knob or pressing a key) is made on it within the [Lone Worker Response Time](#).

Option Description

- o *Checked* To enable the Lone Worker function.
- o *Unchecked* To disable the Lone Worker function.

Default

Unchecked

[Edit - DMR Trunking - General Setting - Security - Lone Worker - Lone Worker Response Time](#)

Lone Worker Response Time

This parameter defines the time before the Emergency mode is initiated. This counter can be reset upon any physical operation (rotating a knob or pressing a key).

Range

1 – 255min

Default

10min

Note

This parameter will be unavailable when "Lone Worker" is unchecked.

[Edit - DMR Trunking - General Setting - Security - Lone Worker - Lone Worker Reminder Time](#)

Lone Worker Reminder Time

This parameter defines the time ahead of which the radio will remind the user that it will alarm. The user can terminate the alerts by rotating a knob or pressing a key on the radio. The reminder works only when the Lone Worker feature is enabled.

Range

0 - 255s (0 indicates there is no reminder time.)

Default

10s

Note

- o This parameter will be unavailable when "[Lone Worker](#)" is unchecked.
- o The [Lone Worker Reminder Time](#) must be shorter than the [Lone Worker Response Time](#).

[Edit - DMR Trunking - General Setting - Security - Hytera Authentication](#)

Hytera Authentication

-
- o [Authentication Type](#)
 - o [Authentication](#)
 - o [Stun/Revive Authentication](#)
 - o [Authentication Key](#)
 - o [E Key File](#)
 - o [H Key File](#)

[Edit - DMR Trunking - General Setting - Security - DMR Authentication](#)

DMR Authentication

-
- o [Authentication](#)
 - o [Stun/Revive Authentication](#)
 - o [DMR Authentication Key](#)
 - o [E Key File](#)
 - o [H Key File](#)

[Edit - DMR Trunking - General Setting - Security - Hytera Authentication - Authentication Type](#)

Authentication Type

This parameter allows you to set the authentication mechanism between the radio and the base station that the radio registers with.

Options Description

- o *Hardware Authentication* Radio's Hardware Encryption shall be used for the authentication between the base station and the radios.
- o *Hytera Authentication* The Hytera Communication protocol shall be used for the authentication between the base station and the radios. When this option is selected, [Stun/Revive Authentication](#) option shall be grey out.

Default

Hytera Authentication

Note

"Hardware Authentication" is available only for PDT Trunking radios.

[Edit - DMR Trunking - General Setting - Security - Hytera Authentication - Authentication](#)

Authentication

Authentication is used to ensure the validity of the user accounts in the network. It operates in a way that the radio and the base station authenticate the validity of each other. Authentication is needed in such services as Registration, Stun, Kill and Revive, and it will not be done until the radio and the base station pass the authentication by each other. After that, the services can be processed.

Option Description

- o *Checked* To enable Authentication of the radio.
- o *Unchecked* To disable Authentication of the radio.

Default

Hytera Authentication Unchecked

DMR Authentication Checked by default and cannot be edited

[Edit - DMR Trunking - General Setting - Security - DMR Authentication - Stun/Revive Authentication](#)

Stun/Revive Authentication

This parameter decides whether to enable the Stun/Revive Authentication feature.

Authentication is used to ensure the validity of the user accounts in the network. It operates in a way that the radio and the base station authenticate

the validity of each other. Authentication will not be done until the radio and the base station pass the authentication by each other. After that, the services can be processed.

Option Description

- o *Checked* To enable the Stun/Revive Authentication feature. The radio can be stunned/revived only after the base station authenticates the radio successfully.
- o *Unchecked* To disable the Stun/Revive Authentication feature.

Default

Checked

[Edit - DMR Trunking - General Setting - Security - Hytera Authentication - Hytera Authentication Key](#)

Hytera Authentication Key

Authentication keys are needed in the authentication between the radio and the base station. The authentication will be successful on condition that the authentication keys of both the radio and the base station are consistent with each other.

Besides manual entering in the key, you can select the E_Key File and H_Key File (or E_Key File only), and then click "Import" to generate the authentication key automatically. The CPS shall prompt "Import Authentication Key Successfully!" to indicate successful operation.

Range

A string of 24 characters in hex format

Default

0123456789ABCDEF01234567

[Edit - DMR Trunking - General Setting - Security - Hytera Authentication - E_Key File](#)

E_Key File

You can import the E_Key File provided by trunking system to generate an authentication key.

[Edit - DMR Trunking - General Setting - Security - DMR Authentication - E_Key File](#)

E_Key File

You can import the E_Key File provided by trunking system to generate an authentication key.

[Edit - DMR Trunking - General Setting - Security - DMR Authentication - H_Key File](#)

H_Key File

You can import the H_Key File provided by trunking system to generate an authentication key.

[Edit - DMR Trunking - General Setting - Security - Hytera Authentication - H_Key File](#)

H_Key File

You can import the H_Key File provided by trunking system to generate an authentication key.

[Edit - DMR Trunking - General Setting - Security - Encrypt](#)

Encrypt

- o [Encrypt](#)
- o [Encrypt Type](#)
- o [Encrypt Service](#)
- o [Only Receive Encrypt Voice](#)
- o [Audio Service](#)
- o [Data Service](#)
- o [Without E2EE Indicator](#)

- [Encrypt Key Length](#)
- [Encrypt Key List](#)

[Edit - DMR Trunking - General Setting - Security - Encrypt - Encrypt](#)

Encrypt

This parameter allows you to enable or disable the Encrypt feature.

With this feature enabled, the radio can encrypt or decrypt [Encrypt Service](#). Both parties of Encrypt Service must enable the Encrypt feature. For example, Radio A transmits the encrypted voice to Radio B, and Radio B should enable the Encrypt feature to receive the voice.

Option Description

- *Checked* To enable the Encrypt feature.
- *Unchecked* To disable the Encrypt feature.

Default

Unchecked

Note

This parameter will be read-only when [Full Encrypt-Hytera](#) or [Full Encrypt-DMRA](#) is unchecked.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Encrypt Type](#)

Encrypt Type

This parameter decides the encryption method that the radio adopts.

Option Description

- *DMRA Encrypt* The radio will use the encryption method specified by DMR standard.
- *Hardware Encrypt* The radio will realize encryption via the hardware in it.

Default

DMRA Encrypt

Note

This parameter will be invalid when "[Encrypt](#)" is unchecked.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Only Receive Encrypt Voice](#)

Only Receive Encrypt Voice

The radio only receives encrypted voice after the Encrypt feature is enabled.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Audio Service](#)

Audio Service

- [PSTN Encrypt](#)
- [PABX Encrypt](#)

[Edit - DMR Trunking - General Setting - Security - Encrypt - Audio Service - PSTN Encrypt](#)

PSTN Encrypt

This parameter allows you to set whether the radio can encrypt and decrypt the PSTN calls.

Option Description

- *Checked* The radio can encrypt and decrypt the PSTN calls.
- *Unchecked* The radio cannot encrypt and decrypt the PSTN calls.

Default

Unchecked

Note

This parameter will be valid only when [Encrypt Service](#) is set to *Voice Only* or *Voice and Data*.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Audio Service - PABX Encrypt](#)

PABX Encrypt

This parameter allows you to set whether the radio can encrypt and decrypt the PABX calls.

Option Description

- *Checked* The radio can encrypt and decrypt the PABX calls.
- *Unchecked* The radio cannot encrypt and decrypt the PABX calls.

Default

Unchecked

Note

This parameter will be valid only when [Encrypt Service](#) is set to *Voice Only* or *Voice and Data*.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Data Service](#)

Data Service

This feature allows you to encrypt the data service to enhance the data security. You can encrypt the following data services

- [GPS Data Encrypt](#)
- [Text Message Encrypt](#)
- [Third Party Service Encrypt](#)

Note

- When a data service is encrypted by the radio, the radio can still use the corresponding unencrypted data service. For example, with *Text Message Encrypt* enabled, the radio can still receive and transmit unencrypted text messages.
- When "[Encrypt Type](#)" of a group is set to "Unlimited", the settings of "[GPS Data Encrypt](#)" or "[Text Message Encrypt](#)" decide whether this group can report encrypted GPS data or send encrypted text messages.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Data Service - GPS Data Encrypt](#)

GPS Data Encrypt

This parameter allows you to enable or disable the *GPS Data Encrypt* feature.

With this feature enabled, the radio will encrypt the GPS data before reporting when it receives an encrypted GPS data request from the system.

Option Description

- *Checked* *GPS Data Encrypt* is enabled.
- *Unchecked* *GPS Data Encrypt* is disabled.

Default

Unchecked

Note

- This feature is only available for radios with [GPS](#) feature enabled.
- *GPS Data Encrypt* can be enabled only when [Encrypt](#) is enabled and "[Encrypt Service](#)" is set to "*Data Only*" or "*Voice and Data*".
- When *GPS Data Encrypt* is enabled, [Send GPS on PTT](#) will be set to "None" automatically.
- When "[Encrypt Type](#)" of a group is set to "Unlimited", the settings of this parameter decides whether this group can report encrypted GPS data.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Data Service - Text Message Encrypt](#)

Text Message Encrypt

This parameter allows you to set whether the radio can send encrypted text messages when "[Encrypt Service](#)" is set to "Data Only" or "Voice and Data".

Option Description

- *Checked* Text Message Encrypt is enabled. The radio can send encrypted text messages.
- *Unchecked* Text Message Encrypt is disabled. The radio cannot send encrypted text messages.

Default

Checked

Note

- The settings of "[Encrypt](#)" and "[Encrypt Service](#)" decide whether the radio can receive encrypted text messages. When "[Encrypt](#)" is selected and "[Encrypt Service](#)" is set to "Data Only" or "Voice and Data", the radio can receive encrypted text messages.
- When "[Encrypt Type](#)" of a group is set to "Unlimited", the settings of this parameter decides whether this group can send encrypted text messages.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Without E2EE Indicator](#)

Without E2EE Indicator

This parameter is designed to be compatible with the Encrypt feature in DMR standards, and is used for voice encryption service only.

Option Description

- *Checked* The call request shall not be sent with E2EE indicator according to the Encrypt feature in DMR standards. The call set-up process is the same as normal voice call, but the voice shall be encrypted during communication.
- *Unchecked* The radio shall not be compatible with the Encrypt feature in DMR standards. The call request shall be sent with E2EE indicator and the called party can identify whether the call is encrypted via the indicator. If the call is encrypted but the Encrypt feature is not enabled for the called party, the called party cannot receive this call, so as to increase the utility rate of the traffic channels.

Default

Unchecked

Note

It is recommended to set the radios in a same system consistently.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Encrypt Key Length](#)

Encrypt Key Length

This parameter allows you to set the length of the encryption key in the "Encrypt Key Length" box. e.g. if you select both "32 Characters" and "64 Characters", these two options will be available for the length of each encryption key. If you enter a key of shorter than 32 or 64 characters, the software will supplement its digits with the letter "F" automatically.

- 10 Characters
- 32 Characters
- 64 Characters

Default

10 Characters

Note

- The options in the box can be selected at the same time.
- Only when "[Encrypt Type](#)" is set to "DMRA Encrypt" can you set the length of the encryption key.

[Edit - DMR Trunking - General Setting - Security - Encrypt - Encrypt Key List](#)

Encrypt Key List

This feature allows for Encrypt Key to be predefined for digital channels, the user can add a maximum of 30 keys.

- [Key ID](#)
- [Key Alias](#)
- [Key Length](#)
- [Key Value](#)

[Edit - DMR Trunking - General Setting- Security - Encrypt- Encrypt Key List - Key ID](#)

Key ID

This parameter defines a unique index for each key in the list. Each Key ID, which is mapped onto a key value, can be modified.

Range

1 – 255

Default

1

[Edit - DMR Trunking - General Setting- Security - Encrypt - Encrypt Key List - Key Alias](#)

Key Alias

This parameter defines the name of each key.

Option

1 - 8 Chinese characters or 1-16 bytes including English letters, digits and special characters.

Default

Encrypt key1

[Edit - DMR Trunking - General Setting- Security - Encrypt - Encrypt Key List - Key Length](#)

Key Length

This parameter defines the length of a key, which limits the character number of the key value.

Option

The dropdown options are determined by the settings in [Encrypt Key Length](#).

Default

10 Characters

[Edit - DMR Trunking - General Setting - Security - Encrypt - Encrypt Key List - Key Value](#)

Key Value

This parameter defines the actual value of a key.

Range

Characters between 0-9 and A-F. The length of the string is selected from "[Key Length](#)".

Note

If the entered key value has fewer digits than the key length, the software will supplement the digits with the letter "F" behind the string automatically.

[Edit - DMR Trunking - Network](#)

Network

You can set the following parameters

- [Network](#)
- [Priority Station List](#)

[Edit - DMR Trunking - Network - Network](#)

Network

You can set the following parameters

- [Home Network Parameter](#)
- [Roaming Type](#)

[Edit - DMR Trunking - Network - Network - Home Network Parameter - Network Model](#)

Network Model

This parameter defines the network model for a radio. The network number and coverage area vary with different network models.

Option Description

- *Tiny* The radio works in a tiny network.
- *Small* The radio works in a small network.
- *Large* The radio works in a large network.
- *Huge* The radio works in a huge network.

Default

Large

Note

- When the network model is tiny, the network number will be up to 512 and the site number of one tiny-network will be up to 8.
- When the network model is small, the network number will be up to 128 and the site number of one small-network will be up to 32.
- When the network model is large, the network number will be up to 16 and the site number of one large-network will be up to 256.
- When the network model is huge, the network number will be up to 4 and the site number of one huge-network will be up to 1024.

[Edit - DMR Trunking - Network - Network - Home Network Parameter - Network ID](#)

Network ID

This parameter defines the ID of the network in operation. The trunking system consists of many networks, each with a unique ID. The number of network varies with different network models.

Range

1 – 512

Step

1

Default

13

Note

- When the network model is tiny, the ID can be 1-512.
- When the network model is small, the ID can be 1-128.
- When the network model is large, the ID can be 1-16.
- When the network model is huge, the ID can be 1-3.

[Edit - DMR Trunking - Network - Network - Home Network Parameter - Length of Area](#)

Length of Area

This parameter defines the sub-network number. It varies with the network model, and can affect the configuration of Location Area ID and Location Site ID.

Range

0–10

Step

1

Default

5

Note

- When the network model is tiny, the value can be 0-3.
- When the network model is small, the value can be 0-5.
- When the network model is large, the value can be 0-8.
- When the network model is huge, the value can be 0-10.

[Edit - DMR Trunking - Network - Network - Home Network Parameter - Location Area ID](#)

Location Area ID

This parameter defines the sub-network ID. The network can be divided into 2^{LA} sub-networks according to the Location Area (LA) value. Each sub-network has a unique ID, and varies with different network models.

Range

1 – 1024

Step

1

Default

1

Note

- When the network model is tiny, the ID can be $1-2^{LA}$.
- When the network model is small, the ID can be $1-2^{LA}$.
- When the network model is large, the ID can be $1-2^{LA}$.
- When the network model is huge, the ID can be $1-2^{LA}$.

[Edit - DMR Trunking - Network - Network - Home Network Parameter - Location Site ID](#)

Location Site ID

This parameter defines the site ID of sub-network. It varies with different network models.

Range

1 – 1024

Step

1

Default

1

Note

- When the network model is tiny, the ID can be $1 - 2^{3-LA}$.
- When the network model is small, the ID can be $1 - 2^{5-LA}$.
- When the network model is large, the ID can be $1 - 2^{8-LA}$.
- When the network model is huge, the ID can be $1 - 2^{10-LA}$.

[Edit - DMR Trunking - Network - Network - Home Network Parameter - System Code](#)

System Code

This parameter specifies the system code of the base station which the radio can register with. The value will be calculated automatically after you set the related parameters ([Network Model](#), [Network ID](#), [Length of Area \(LA\)](#), [Location Area ID](#) and [Location Site ID](#)) in this interface.

Each base station has a unique system code, which helps subscribers to identify information (such as the network model, site number, etc.) of the trunking network that the base station is in. When in proper operation, the radio can obtain the system code of all the base stations in the trunking network. When registering, the radio compares the system code and [Control Channel Category](#) configured via CPS with the actual system code based on the [Roaming Type](#). Only when the system codes match with each other can the radio continue registration with the base station. There are three types of roaming

- **Zone** Need to match the [Network ID](#) in the system code.
- **Area** Need to match the [Network ID](#) and [Location Area ID](#) in the system code.
- **Site** Need to match the [Network ID](#), [Location Area ID](#), and [Location Site ID](#) in the system code.

System code at the radio side

The system code consists of the [Network Model](#), [Network ID](#) and site, as shown in the following figure

	Network Model	Network ID	Site
	14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Tiny	0 0		
	14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Small	0 1		
	14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Large	1 0		
	14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Huge	1 1		

The [Length of Area \(LA\)](#) divides the site into two parts ([Location Area ID](#) and [Location Site ID](#)) and determines their ranges.

- Location Area ID $1 - 2^{LA}$
- Location Site ID Tiny ($1 - 2^{3-LA}$), Small ($1 - 2^{5-LA}$), Large ($1 - 2^{8-LA}$) and Huge ($1 - 2^{10-LA}$)

Example Supposing the Network Model is "Huge", the network ID is 2, LA is 5, Location Area ID is 4 and Location Site ID is 6, the system code will be 11.01.0001100101.

Note

As for the section of site which depends on the LA value, the first 5 bits indicate the Location Area ID, and the rest 5 bits indicate the Location Site ID.

System code at the base station side

The system code configured at the base station side, as shown below, just has one more part (PAR) than that configured at the radio side.

Indications of PAR values 00 indicates to reserve, 01 indicates that radio with control channel category A is allowed to register, 10 indicates that radio with control channel category B is allowed to register, and 11 indicates radio with control channel category A or B is allowed to register.

	Network Model	Network ID	Site	PAR
	16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			
Tiny	0 0			

	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Small	0	1														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Large	1	0														
	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Huge	1	1														

[Edit - DMR Trunking - Network - Network - Home Network Parameter - Control Channel Category](#)

Control Channel Category

This parameter defines the category of control channels on which the radio can work. There are two categories A and B. Differing fleets of MS are personalized such that the total MS population is evenly distributed between Category A and Category B units. The sites can decide which category can work on its control channels. For example, A, or B, or both.

Option Description

- A The radio can be used on the control channel A.
- B The radio can be used on the control channel B.

Default

A.

[Edit - DMR Trunking - Network - Roaming Type](#)

Roaming Type

This parameter defines the roaming type which can be divided into three categories Zone, Area and Site. Users can select an appropriate type according to the exact situation. Zone roaming is for the kind of people who will work in different provinces, area roaming for ones who works in a fixed province and site roaming is for people who works mainly in one city of a province.

Option Description

- Zone The radio has one province as home and it can roam to use in other provinces.
- Area The radio has one city of an province as home and it can roam to use in other cities of the province.
- Site The radio has one site of a city as home and it can roam to use in other sites of the city.

Default

Zone

Note

The feature will not affect radio registration.

[Edit - DMR Trunking - Network - Priority Station List](#)

Priority Station List

Priority Station List saves the priority levels of frequently-used base station channels.

During hunting, when judging the priority level of the base station and the adjacent base station has the lowest priority, the radio will hunt through this list for priority level.

When set with a Priority Station List, the radio will perform Background Hunt first to ensure it is registered with a base station of higher priority.

You can add up to 100 priority stations into the Priority Station List.

- [System Code](#)
- [Priority Level](#)

[Edit - DMR Trunking - Network - Priority Station List - System Code](#)

System Code

Each base station has a unique system code, which helps radios to identify information (such as the network model, site number, etc.) of the trunking network that the base station is in. When in proper operation, the radio can obtain the system code of all the base stations in the trunking network. You can enter a hexadecimal system code of the base station and set its [Priority Level](#) according to which the radio registers with a base station.

Range

0000 – 3FFF

Default

2C00

[Edit - DMR Trunking - Network - Priority Station List - Priority Level](#)**Priority Level**

This parameter sets the priority level of the base station in the Priority Station List. Only base stations with priority level will be recorded in the list.

The radio will determine whether the adjacent base station satisfies the priority station conditions according to its priority level and signal strength. If the adjacent base station satisfies the conditions, the radio will register with it; if not, the radio will return to the control channel it registered with.

Option Description

1 (Highest) - 7 (Lowest)

Step

1

Default

1

[Edit - DMR Trunking - Hunt](#)**Hunt**

In DMR system, a terminal is required to register with a base station for normal work. Before registering, the terminal will hunt through the control channels for available base stations. The system provides multiple hunt policy for the registered terminals to ensure normal communications.

- [Hunt Setting](#)
- [Fixed TSCC](#)
- [Flexible TSCC](#)
- [Team Hunt List Alias](#)

[Edit - DMR Trunking - Hunt - Hunt Setting](#)**Hunt Setting**

This parameter allows you to select the TSCC plan for radio registration and the hunt strategy after a successful registration.

- [Common Hunt Parameter](#)
- [Background Hunt](#)
- [HomeStation Hunt](#)
- [Multi-site Handover](#)

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter](#)**Common Hunt Parameter**

-
- [TSCC Plan](#)
 - [Manual Switch Preference](#)
 - [Non-priority CH Hunt Threshold](#)
 - [Priority CH Hunt Threshold](#)
 - [RSSI Offset](#)

- [Adjacent List Update Time](#)
- [Slots Synchronization in System](#)
- [Hunt Parameter Synchronization](#)
- [Non-Dedicated TSCC](#)

[Edit](#) - [DMR Trunking](#) - [Hunt](#) - [Hunt Setting](#) - [Common Hunt Parameter](#) - [TSCC Plan](#)

TSCC Plan

This parameter allows you to choose the TSCC plan for the radio registration.

Range

- Fixed Control TSCC See [Fixed TSCC](#) for more details.
- Flexible Control TSCC See [Flexible TSCC](#) for more details.

Default

Fixed Control TSCC

[Edit](#) - [DMR Trunking](#) - [Hunt](#) - [Hunt Setting](#) - [Common Hunt Parameter](#) - [Manual Switch Preference](#)

Manual Switch Preference

With this parameter set, if the user manually switch the radio to the designated site, the radio shall stay with the site until the signal from the site is totally lost. After that, the radio shall hunt for control channel per hunting strategy that is set.

Option Description

- Checked The Manual Switch Preference feature is enabled.
- Unchecked The Manual Switch Preference feature is disabled.

Default

Unchecked

Note

With this feature enabled, the radio will disable the hunting strategies and the [Auto Select Available Site](#) feature after manual switching regardless they are enabled or not.

[Edit](#) - [DMR Trunking](#) - [Hunt](#) - [Hunt Setting](#) - [Common Hunt Parameter](#) - [Non-priority CH Hunt Threshold](#)

Non-priority CH Hunt Threshold

This parameter is used by HomeStation Hunt, Background Hunt and TSCC Vote Now.

- When priority of current base station > priority of adjacent base station, the hunting registration condition is that signal strength of adjacent base station = Non-priority CH Hunt Threshold.
- When priority of current base station = priority of adjacent base station,
 - Start hunting condition is that signal strength of current base station < Non-priority CH Hunt Threshold.
 - Hunting registration condition is that signal strength of adjacent base station = Non-priority CH Hunt Threshold.

Range

-120 -- -60 dBm

Step

1 dBm

Default

-95 dBm

Note

The larger the absolute value of this parameter is, the weaker the signal strength is.

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - Priority CH Hunt Threshold](#)

Priority CH Hunt Threshold

This parameter is used by [HomeStation Hunt](#), [Background Hunt](#) and [TSCC Vote Now](#).

- When priority of current base station > priority of adjacent base station, the start hunting condition is that signal strength of current base station < Priority CH Hunt Threshold.
- When priority of current base station < priority of adjacent base station, the hunting registration condition is that signal strength of adjacent base station - Priority CH Hunt Threshold = [RSSI Offset](#).

Range

-120 – -60 dBm

Step

1 dBm

Default

-105 dBm

Note

The larger the absolute value of this parameter is, the weaker the signal strength is.

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - RSSI Offset](#)

RSSI Offset

This parameter is used by [Background Hunt](#) and [TSCC Vote Now](#).

- When priority of current base station < priority of adjacent base station, the hunting registration condition is that signal strength of adjacent base station - [Priority CH Hunt Threshold](#) = [RSSI Offset](#).
- When priority of current base station = priority of adjacent base station, the hunting registration condition is that signal strength of adjacent base station - signal strength of current base station = [RSSI Offset](#).

Range

5 - 30dB

Step

1dB

Default

6dB

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - Adjacent List Update Time](#)

Adjacent List Update Time

After accessing [Adjacent List](#) menu, the radio will update the RSSI of Adjacent List automatically. This parameter allows you to set the interval between each Adjacent List information update.

The list updating process is as follows. The radio will update the RSSI of current base station which will be shown in the adjacent list, but it will only update one RSSI of adjacent base station each time in the list order until the radio exits the Adjacent List.

Range

1 - 10 Seconds

Default

1 Second

Note

Only after the radio is registered successfully and it is idle, the radio can view the adjacent list via Adjacent List menu.

After accessing the Adjacent List menu, if the radio is not idle any more, the radio will stop updating Adjacent List information.

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - Hunt Parameter Synchronization](#)

Hunt Parameter Synchronization

- [Hunt Parameter Synchronization](#)
- [Handover Threshold Offset in Tx](#)

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - Hunt Parameter Synchronization](#)

Hunt Parameter Synchronization

The radio and the system both can configure the hunting parameters. With this feature enabled, the radio will synchronize the hunting configuration of the system and hunt according to the hunting configuration of the system.

Option Description

- *Checked* To enable the Hunt Parameter Synchronization feature.
- *Unchecked* To disable the Hunt Parameter Synchronization feature. The radio will hunt according to its own hunting configuration.

Default

Unchecked

[Edit-DMR Trunking-Hunt-Hunt Setting-Common Hunt Parameter-Hunt Parameter Synchronization-Handover Threshold Offset in Tx](#)

Handover Threshold Offset in Tx

This parameter allows you to set the handover threshold offset during transmission. After [Hunt Parameter Synchronization](#), the radio can get the value of [Switch Threshold in Rx](#), and then adjust the handover threshold during transmission.

[Handover in Tx](#) needs to use this parameter.

- If [Handover Threshold Offset in Tx](#) is not set to "Off", the handover threshold in transmission = [Switch Threshold in Rx](#) + [Handover Threshold Offset in Tx](#).
- If [Handover Threshold Offset in Tx](#) is set to "Off", the handover threshold in transmission is subject to configuration result of [Switch Threshold in Rx](#).

Range

- Off
- 0 - 20 dB

Step

1 dB

Default

5 dB

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - Non-Dedicated TSCC](#)

Non-Dedicated TSCC

- [Non-Dedicated TSCC](#)
- [Station Backup-channels Hunt](#)
- [Non-TSCC Dwell Time](#)

[Edit - DMR Trunking - Hunt - Hunt Setting - Common Hunt Parameter - Non-Dedicated TSCC - Non-Dedicated TSCC](#)

Non-Dedicated TSCC

This parameter allows you to set whether to enable the Non-Dedicated TSCC feature.

When there is a few channel resource in the BS, the BS will temporarily disable the control function of the dedicated TSCC and use the dedicated TSCC as a service channel, so as to avoid channel resource waste caused by the dedicated TSCC. In this way, there will be an extra service channel in the BS and the service channel capacity is expanded. The TSCC that used as temporary service channel is Non-Dedicated TSCC.

According to dynamic changes of the TSCC in the BS, the Non-Dedicated TSCC can be realized in the following ways

- Use a specific channel as TSCC. After TSCC is used as the service channel, if other channels are released in the same BS, the system will transfer the services on TSCC to the released channels and restore the TSCC to normal operation.
- Use the idle channel as TSCC. After TSCC is used as the service channel, if other channels are released in the same BS, the system will use the idle channel as TSCC. In such case, [Station Backup-channels Hunt](#) must be enabled for radio to search the new TSCC. Otherwise, the radio may start hunting again.

Option Description

- *Checked* To enable the Non-Dedicated TSCC feature.
- *Unchecked* To disable the Non-Dedicated TSCC feature.

Default

Unchecked

Default

This parameter must be consistent with that of the system.

[Edit](#) - [DMR Trunking - Hunt](#) - [Hunt Setting](#) - [Common Hunt Parameter](#) - [Non-Dedicated TSCC](#) - [Station Backup-channels Hunt](#)

Station Backup-channels Hunt

This parameter allows you to set whether to enable the Station Backup-channels Hunt feature. With this feature enabled, when the current TSCC is used as the service channel, the radio will hunt all the channels in the current BS recurrently to search for the new TSCC.

Option Description

- *Checked* To enable the Station Backup-channels Hunt feature.
- *Unchecked* To disable the Station Backup-channels Hunt feature.

Default

Unchecked

Note

- This parameter will be valid only when [Non-Dedicated TSCC](#) is checked.
- With this feature enabled, all the channels in the BS must be added to [Fixed TSCC List](#) or [Flexible TSCC](#), and the Station No. cannot be set to "None". The Station No. of the channels in the same BS must be the same.

[Edit](#) - [DMR Trunking - Hunt](#) - [Hunt Setting](#) - [Common Hunt Parameter](#) - [Non-Dedicated TSCC](#) - [No-TSCC Dwell Time](#)

No-TSCC Dwell Time

This parameter allows you to set the dwell time for the radio to stay on the TSCC after the TSCC is used as the service channel. This time must be longer than [MS Call MS Total Time](#).

Range

0 – 20 minutes, Infinite

Step

0.5 minutes

Default

6 minutes