



SWIFT Suite 1.8.2 Update

November 2019

What is SWIFT Suite?

A collection of firmware updates and utilities for our devices such as IP gateways, option boards and media docks.

What's new in 1.8.2?

A100/A200 IP Gateways

Support for VOX and MTM control stations

Continuing our strategy to provide seamless inter-operation/migration of legacy radios and non-MOTOTRBO digital platforms with MOTOTRBO radio infrastructures, the new versions of the IP Gateways' firmware supports both VOX capable radios and MTM 5400/5500 control radios (connects to Tetra channels). Supported Tetra features: radio IDs, group calls.

Requirements: TRBOnet 5.4.0.2199 or newer.

Option Boards

Voice Recording

The TRBOnet option boards are now capable of voice recording. With a storage capacity of 256Mb that is allocated for audio files, you can have up to 200 hours of continuous voice recording. Motorola's GOBs are also capable of storing voice recordings, but they are limited to 8Mb, or up to 5-6 hours of continuous recording.

User Authentication

TRBOnet 5.4.0.2199 and newer, in combination with the latest SWIFT program for option boards, allows radio users to be registered with the dispatcher system when radios are checked out to them without entering a password to sign in. Instead a radio subscriber uses a dedicated iBeacon-based transmitter as a security token that sends authentication information via Bluetooth to the dispatcher console. After successful authentication, the user name will be displayed next to the radio ID in the dispatcher console. The token must be within range of the radio all the time the radio is in use. There are a variety of options to customize this feature to your needs. For instance, the option board can "lock" the radio if the iBeacon token is no longer in range. The User Authentication feature is an efficient mechanism of allowing dispatchers to keep track of who has what radios. It also allows System Providers and Owners to prevent or reduce thefts and losses.

Requirements: TRBOnet 5.4.0.2199 or newer, a Bluetooth-capable DP/DM4000 radio with an option board.

Scenarios

The event handling system for option boards is now more flexible and versatile. Based on Rules, the option board software did not allow for custom event handling procedures or repetitive actions. The present version of the Suite introduces Scenarios, user-defined sets of actions that can be started within any rule. We have also added the ability to loop a task sequence. As an example, it can be used for a periodic check of the radio's orientation after a rule has been triggered.

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Option Boards

OTA Configuration Updates

If you have tens or hundreds of radios equipped with option boards, it is not cost-efficient to connect them to your computer individually to make minor changes in the configuration. The new Suite simplifies routine actions by sending the updated configuration file over a radio channel to specific radios or a pool of radio IDs.

Note: this feature does not allow for remote firmware update.

Dynamic Group Selection

The option board is able to automatically select a predefined channel based on its location. The location can be a geofence region or proximity to an iBeacon with a specific ID or ID range. The feature can be beneficial to roaming radio users who can have their radios automatically select a radio channel when they enter the coverage area of another radio system.