

Cobham SATCOM

Lundtoftegaardsvej 93 D
2800 Kgs. Lyngby
Denmark

T: +45 39 55 88 00

F: +45 39 55 88 88

Date: June - 2019

Document Number: 95-168380-A

PTT Server software release version 4.5
PTT Terminal software release version 4.11

Subject:

Please be informed that new software for the Cobham SATCOM PTT products has been released:

- PTT Server debian packages
- EXPLORER PTT TT-3647A

Priority:

- **MEDIUM:** It is recommended to apply this change / initiative to all systems.

Major changes from PTT software version 4.4/4.10 to version 4.5/4.11:

- Private mode dialing.
Mobile units can call each other directly without involving a call group. Only units present in the newly added phone book can be called.
- Voice recording.
It is possible to configure recording in a call group. All messages in the group will be stored in a configured location in AMBE format, and can be retrieved in normal wav format.

New features include:

- New phone book for private mode dialing. Can be accessed from the call screen (Call Mobile).
- Recording status added to monitor tools.

Fixed issues:

- Pre-Amp setting has been revised.
- Certificate expiry on the mobile unit could cause the unit to end up in a non-working state, requiring a factory reset.
- Receiving a config push while receiving voice could cause the mobile unit to mute incoming voice.
- Call button mode "normal" did not work correctly.
- Network could be set ready if a terrestrial modem came online but no data could be passed.
- More robust handling of the EXPLORER 540 BGAN terminal.

Action:**PTT Server:**

The server packages have been uploaded to the xenial_generic repository.

Please refer to the PTT Server Installation Quick Guide for installation instructions.

Please note that new servers must be white-listed by Cobham to be able to download packages.

If upgrading from a 4.1+ server please do the following:

```
$ sudo apt update
$ sudo apt upgrade
```

If upgrading from a 4.0 server please do the following:

```
$ sudo apt update
$ sudo apt install ptt-server-generic
```

Note:

When the mpp server is installed, it will ask for a multicast interface, which may not be needed. This is because of unified software. Please choose the public interface when asked if no multicast support is needed.

The reason for not just doing an 'apt upgrade' command when updating from a 4.0 server is that the asterisk package has been renamed to ptt-asterisk to ensure the correct version is used. It will replace the asterisk package already installed. If upgrading from 4.0, the asterisk version will be unchanged.

Voice recording is not installed by default. Please refer to the PTT Server Installation Quick Guide for information about how to install.

PTT Terminal:

The software images for the PTT terminal are available here:

<http://sw.globalptt.com/ptt-4.11-1.tiif> (Not including BGAN software image)

<http://sw.globalptt.com/ptt-bgan-4.11-1.tiif> (Including BGAN software image)

Please note that some older PTT Terminals do not have support for BGAN software image.

Software image sizes (without BGAN software image):

If updating from 4.10 or earlier 4.0x versions: approx. 21.5MB

If updating from 2.0X version: approx. 42 MB

Software image sizes (with BGAN software image):

If updating from 4.10 or earlier 4.0x without BGAN software image: approx. 28.5MB

If updating from 4.10 or earlier 4.0x with BGAN software image: approx. 21.5MB

If updating from 2.0X version: approx. 49 MB

Upgrade path when updating over the air from 4.04 and earlier 4.0x versions:

Add following iptables rule to the PTT server:

```
$ sudo iptables -t nat -A POSTROUTING -s 10.24.0.0/16 -o  
<public_interface> -j SNAT --to-source <public_ip>
```

This is necessary to allow DNS requests from 4.04 and earlier 4.0x to reach the internet. A racing condition can prevent correct DNS routing in these versions.

Upgrade path when using USB recovery method from version 2.0x:

Install version 4.01-1 using the following USB image:

http://sw.globalptt.com/ptt-4.01-1_usbinstall.zip

After install insert an USB drive containing the ptt-4.10-5.tiif or the ptt-bgan-4.10-5.tiif file.

Note that the file must be renamed to ptt.tiif on the USB drive.

Reboot the terminal and accept to update to version 4.10-5.

Upgrade path when updating over the air from version 2.0x:

Add version 4.11-1 to the 2.0x PTT server and let the PTT terminal install the firmware.

NOTE:

Ensure the PTT box is pointed to the correct PTT server on the new Stage 1 server before upgrading.

Cobham SATCOM

Customer Service