

AES 7744F RF Subscriber – Quick Start Guide

Out of the box:

7744F RF Subscriber (1)

(1 ea.) 7085UE Transceiver set to licensed or authorized frequency
(1 ea.) 7214 2.5 dB tamper resistant antenna and short cable
(4 ea.) 2.2K Ohm E.O.L. Resistors Part# 02-0029-EOL

Quick Start Guide

Part# 40-7744

Part# 40-7744-QSG

Overview: The 7744F Subscriber Unit is an AES-IntelliNet RF Communicator which is typically used to link an alarm panel to an alarm monitoring central station. This series unit is UL Listed and NFPA compliant for commercial fire alarm monitoring as well as Burglar alarm installations. This unit has 8 wired inputs. Four (4) inputs are of the end of line resistor (EOL) type and four (4) inputs are for connection to reversing voltage outputs in fire alarm panels.

7744F Installation, Configuration and Programming:

Additional installation, configuration and programming details can be found in:

- 7744F RF Subscriber Unit Installation and Operation Manual (Part # 40-7744)
- 7744F RF Subscriber Unit Supplementary Information Guide located on the AES Corp. website at: www.aes-corp.com

Important! Network Connectivity Requirement - A UL compliant fire alarm installation for a 7744F system must be in a location with a NetCon of 5. A check of the location can be done with the AES Network Connectivity Tool (NCT). The AES NCT provides a quick means for verifying NetCon or finding suitable locations for installation.

Important! Flexible Antenna Performance - Optimal performance with the supplied flexible "rubber duck" antenna is only possible with good metal to metal contact at the base of the antenna. Sandwich the sharp tooth washer between the mounting nut and enclosure metal. Depending on enclosure mounting, physical location, and mesh network connectivity, a remotely mounted antenna may be required

7744F Configuration: Subscriber configuration is described here using the AES 7041 Handheld Programmer. A PC terminal may be used – refer to the Installation and Operation Manual for details. See the 7744F Menu Tree for quick reference to check or change a setting.

Typical Screen Display:

```
SELFTEST PASS
SUB X.XXXX 7744F
ID#:xxxx (C)vvvv AES
```

Data Entry:

Access with the Handheld Programmer requires a combination of key presses to reach the menu items for most settings. **Ctrl + F1** means press and hold the **Control** key down, then press the **F1** key. Press **ENTER** to skip to the next menu item without changing the current setting.

Programming Features/Options

This product incorporates field programmable software. Refer to the **NOTICE TO USERS** in the Installation and Operation Manual for details on permitted settings.

Remote Programming Restrictions

Important! Remote programming is not allowed by NFPA 72 unless an authorized person is present at the subscriber to temporarily enable the remote programming feature. When **FIRE ZONES?** (Set Zones - **CTRL+F3**) is "**Y**" for **YES**, the remote programming feature is disabled.

Step 1. To Set ID and Cipher Code:

1. Press **CTRL + F1**
2. Enter the Unit ID and press **ENTER** key. (Hex value 0001 to FFFF). Select a value different from other subscribers or IP-Links on the network.
3. Enter the cipher code and press **ENTER** key. (Hex value 0000 to FFFF). The existing Cipher Code is not shown in the display.

Step 2. To Set Timers:

1. Press **CTRL + F2**
2. Enter the Check In time in Hours and press **ENTER** key.
3. Enter the Check In time in Minutes and press **ENTER** key.
4. Enter the AC Fail Report time in Minutes, or use Random time (**RM**), and press **ENTER** key.
5. Enter the Report Delay time in Seconds and press **ENTER** key.
6. Enter the Communications Timeout time in Seconds and press **ENTER** key.

Step 3. To Set Zones:

1. Press **CTRL + F3**
2. If **N** is entered for **FIRE ZONES?** then zones can be set to **Bypass** or **Supervised**. Enter a setting for each zone. Press **ENTER** key. Next, set each zone to either **X** for no restoral message for the zone, or **R** for restoral message. Press **ENTER** key.
3. If **Y** is entered for **FIRE ZONES?** then zones can be set to **Bypass**, **Supervised** or **Fire**. Enter a setting for each zone. Press **ENTER** key. Next, set each zone to either **X** for no restoral message for the zone, or **R** for restoral message. Press **ENTER** key.

Important! - Press the Reset button after Zone Programming changes.

Failure to reset may cause confusing reports such as an Alarm or Trouble message for a zone changed to Bypass. A reset clears pre-existing zone information in memory.

Other Options:

To Set Modes:

1. Press **CTRL + F4**
2. Enter **Y** or **N** for setting **ENABLE REPEATING** and press **ENTER** key.
3. Enter **Y** or **N** for setting **SPRSS AC FAIL** (AC Fault Report Suppression) and press **ENTER** key.
4. Enter **Y** or **N** for setting **SPRSS CHG FAULT** (Battery Charger Fault Report Suppression) and press **ENTER** key.
5. Enter **Y** or **N** for setting **SPRSS GNDFLT** (Ground Fault Report Suppression) and press **ENTER** key.

To Reset Subscriber to Factory Defaults:

1. Press **CTRL + F5**
2. Enter **Y** and press **ENTER** key. **NOTE:** Unit ID and Cipher don't change after reset to factory defaults.

To Perform Local Status Check

1. Press **SHIFT + F4**
2. The Model Number, Firmware Version and Unit ID number is visible.
3. The NETCON value is shown after **NETCON:**
4. Route, Level and Stat (Power on Status) are displayed. Refer to the Installation and Operation Manual for details.

To Enable Receive (Rx) Monitor

1. Press **SHIFT + F1**
2. Only traffic sent to this subscriber is displayed. No other subscriber network traffic is shown.
3. Press **SHIFT + F1** to disable feature.

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To Enable Transmit (Tx) Monitor:

1. Press **SHIFT + F2**
2. Messages sent from this subscriber are displayed.
3. Press **SHIFT + F2** to disable feature.

To Monitor All (Transmit & Receive):

1. Press **SHIFT + F3**
2. Network traffic by other subscribers is displayed.
3. Press **SHIFT + F3** to disable feature.

To Key Transmitter:

1. Press **SHIFT + F5**
2. The display will show: **KEYING TX** . .
3. Press **ENTER** or wait 5 seconds to shut off the transmitter

To Display Zone Status:

1. Press **CTRL + Z**
2. The current state of each zone input based on its programming and input state is displayed. Refer to the Installation and Operation Manual for details.

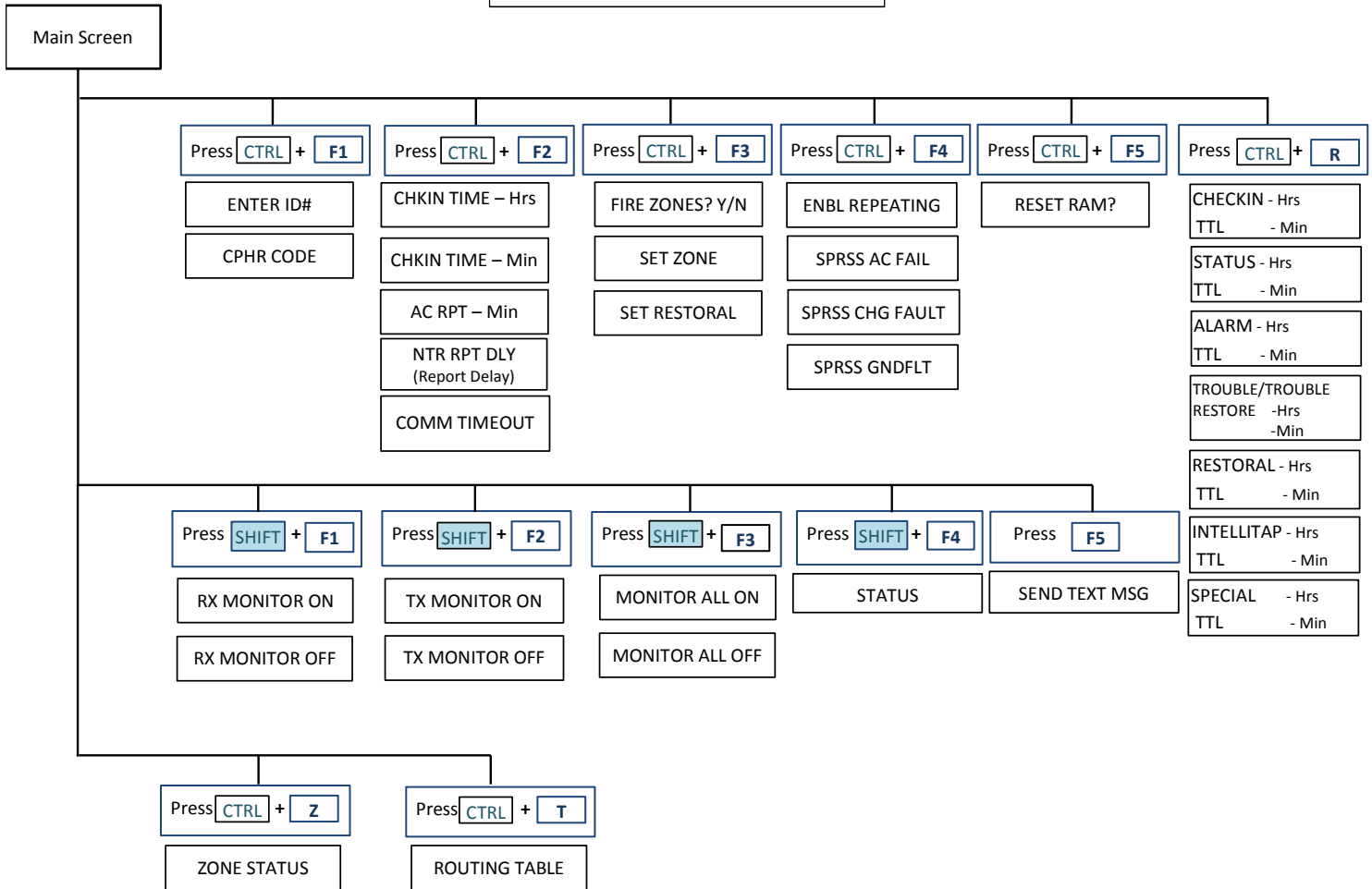
To Display Routing Table:

1. Press **CTRL+T** or **F4**
2. Routing Table, Link Layer/Level, NETCON and Signal Quality values are displayed. Refer to the Installation and Operation Manual for details.

To Set Time to Live (TTL)

1. Press **CTRL + R OR F2**
2. Enter the CHECKIN TTL time in Hours. Press **ENTER** key. Enter the TTL time in Minutes. Press **ENTER** key again.
3. Enter the STATUS TTL time in Hours. Press **ENTER** key. Enter the TTL time in Minutes. Press **ENTER** key again.
4. Enter the ALARM TTL time in Hours. Press **ENTER** key. Enter the TTL time in Minutes. Press **ENTER** key again.
5. Enter the TROUBLE/TROUBLE RESTORE TTL time in Hours. Press **ENTER** key. Enter the TTL time in Minutes. Press **ENTER** key again.
6. Enter the RESTORAL TTL time in Hours. Press **ENTER** key. Enter the TTL time in Minutes. Press **ENTER** key again.
7. If an IntelliTap unit is installed, enter the INTELLITAP time in Hours. Press **ENTER** key. Enter the TTL time in Minutes. Press **ENTER** key again.
8. SPECIAL TTL time is not used. Press **ENTER** key until **OK** appears in the display.

7744F Subscriber Menu Tree



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