



**SCOTT**  
Fire & Safety

# 3M™ Scott™ EPIC 3 RDI

Voice Amplifier



Quick Reference Guide

## SCOTT EPIC 3 RDI VOICE AMPLIFIER FEATURES



# MOTOROLA APX FIELD RADIO FEATURES

NOTE: THIS GUIDE DEPICTS THE APX RADIO MODEL WITH TWO DISPLAYS.



APX Radio Side View

## **WARNINGS:**

### **FAILURE TO ADHERE TO WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH**

- THE EPIC 3 RDI VOICE AMPLIFIER AND ITS ACCESSORIES ARE INTENDED TO BE USED WITH SCOTT RESPIRATORS WHICH MAY SUPPORT HUMAN LIFE IN HAZARDOUS ATMOSPHERES. FAILURE TO CAREFULLY FOLLOW THESE INSTRUCTIONS AND WARNINGS AND THE INSTRUCTIONS AND WARNINGS CONTAINED IN YOUR SCOTT RESPIRATOR OPERATING AND MAINTENANCE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH.
- THIS PRODUCT IS DESIGNED AND INTENDED TO FUNCTION PROPERLY IN REASONABLE/ORDINARY FIREFIGHTING CONDITIONS. LIKE ALL EQUIP-MENT, THE FUNCTIONALITY OF THIS PRODUCT MAY BE COMPROMISED BY EXTREME FIRE CONDITIONS.

### **KEY DEFINITIONS:**

- **PAIRING** - The process by which two Bluetooth devices are connected to each other by exchanging and storing each device's Bluetooth radio address. Once paired, the two Bluetooth devices can be connected and operated as a paired set.
- **CONNECTION** - The process of connecting a paired Bluetooth device set. Once connected, the devices can communicate and share data with each other. Audio will only transmit between the devices after a successful connection.

## INSTALLATION TO FACE PIECE

*NOTE: The EPIC 3 RDI Voice Amplifier is compatible with the entire line of Scott Safety Full Face Pieces.*

**Pictures depicted within this guide reflect the AV3000-HT Face Piece.**

1. Hold the RDI Voice Amplifier in the upright position with the red power button to the right.
2. Place the RDI Voice Amplifier into the left bracket on the AV3000-HT face piece (Figure 1).
3. Slowly turn the RDI Voice Amplifier counterclockwise as shown in Figure 2.
4. When the RDI Voice Amplifier is in a locked position as shown in Figure 3, you will hear and feel a click.
5. In order to remove the RDI Voice Amplifier from the AV3000-HT face piece, reverse steps 2 through 4 by turning the RDI Voice Amplifier clockwise.



**Figure 1**



**Figure 2**



**Figure 3**

## INITIAL BLUETOOTH PAIRING

NOTE: Before operating the EPIC 3 RDI amp with the APX radio, please ensure the APX radio firmware has been updated to R15.00 or higher and the radio has been configured for Bluetooth operation.

For instructions on updating the APX radio, please refer to the Motorola Radio Configuration For Use With EPIC 3 RDI Amp guide.

### EPIC 3 RDI Voice Amplifier

1. Power on the RDI Voice Amplifier by pressing and holding the red power button. The RDI Voice Amplifier will emit an audio tone and the LED will switch from blank to green.



2. Continue holding the power button until the LED switches from green to solid red. Release the red power button.



3. The LED will switch to blinking red indicating the RDI Voice Amplifier is now in Bluetooth pairing mode and can be paired with a Motorola APX radio.



## INITIAL BLUETOOTH PAIRING

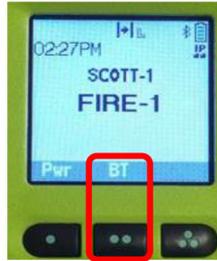
Motorola APX Field Radio with TWO Displays

	BT ON — No Connected Device
	BT ON — Device Connected

1. Ensure the APX radio is powered on and the Bluetooth indicator appears in the top right hand corner.



2. Enter the Bluetooth settings by pressing the 2-dot button under the word "BT."



3. The APX radio will display the number of devices connected.



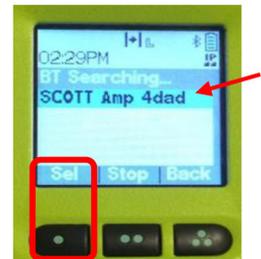
4. Using the navigation buttons, scroll up to "Search Devices" and press the 1-dot button to select "On."



5. The APX radio will search for Bluetooth devices and display "Searching for BT Devices."



6. When your RDI amp is located, the APX radio will display "SCOTT AMP XXXX". (XXXX = a unique 4 digit identifier) Press the 1-dot button under "Sel" to begin pairing.



7. The pairing process has now begun and it will display "Pairing in Progress."



8. APX radio will emit a signal tone and display "Scott Amp XXXX Connected" when the devices are Bluetooth paired and ready for use.



9. You can now see an additional device has been connected and Bluetooth is paired.



## INITIAL BLUETOOTH PAIRING

### Motorola APX Field Radio with ONE Display



BT ON—No Connected Device



BT ON—Device Connected

1. Follow the initial Bluetooth pairing instructions for the RDI Voice Amplifier.

2. Ensure the APX radio is powered on and the Bluetooth indicator appears in the top right hand corner.

3. If the Bluetooth indicator is not visible, press the “BT On/Off” button to turn it on.

Off



On  
-Green  
LED



Pairing -  
Solid to  
Blinking  
Red



4. Press the BT Search On/Off button to begin searching. “SRCH On” will quickly appear on the display as the APX radio tries to pair with the RDI amp.

5. “SCOTT AMP XXXX CONNECTED” will scroll across the top display and APX radio will emit a signal tone when pairing is complete.

6. Bluetooth icon will change to show an enclosed icon when the RDI amp is paired and connected.



BT Search  
On/Off



## RECONNECT BLUETOOTH PAIRED DEVICES

	BT ON—No Connected Device
	BT ON—Device Connected

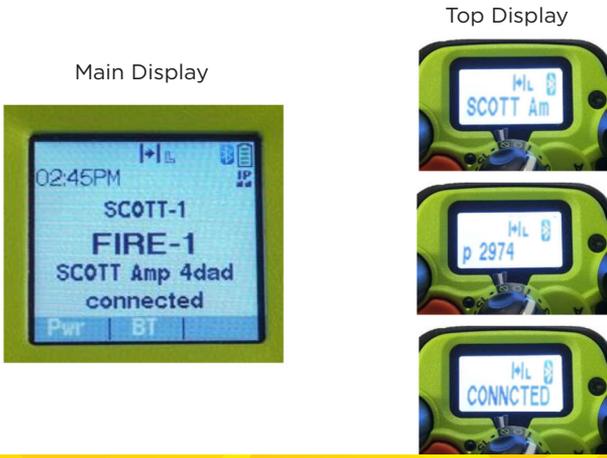
1. Ensure the APX radio is powered on and the Bluetooth indicator appears in the top right hand corner.



2. Power on the RDI Voice Amplifier by pressing and holding the red power button. The RDI Voice Amplifier will emit an audio tone and the LED will switch from off to green. Release the red power button. This will place the RDI into Bluetooth reconnection mode.



3. The APX radio will send a Bluetooth reconnection request to the RDI amp. Once the RDI amp accepts the request, the APX radio will emit a signal tone and briefly display or scroll the connected device on the screen. The devices are now Bluetooth connected and ready for use.



## RFI VOICE AMPLIFIER/ APX RADIO TRANSMIT & RECEIVE OPERATION

After the EPIC 3 RFI Voice Amplifier & APX Radio have been Bluetooth paired, follow the instructions below to transmit & receive.

1. To activate radio transmit on the RFI Voice Amplifier, press the Push-to-Talk (PTT) button on the Motorola XE RSM. This will route radio transmit voice audio from the RFI Voice Amplifier microphone directly into the APX radio and out through the radio network.
2. All incoming radio communications (Rx) play through the XE RSM speaker (default setting). Radio Rx audio volume is controlled using either the XE RSM volume toggle switch or the APX radio volume control knob.



## SWITCHING BETWEEN RADIO / XE RSM COMMUNICATION MODES

To switch the EPIC 3 RFI Voice Amplifier / APX radio communication system back to APX radio / XE RSM communication mode, the Bluetooth connection between the RFI amp and APX radio must be disconnected. This can be accomplished by powering off the RFI amp OR turning off the APX radio Bluetooth feature.

1. Power off the RFI amp by pressing and holding the red power button. The RFI amp will emit an audio tone and the LED will switch from green to red.
2. Once the RFI amp is powered OFF, the Bluetooth connection between the RFI amp and APX radio will be disconnected. The APX radio will emit a signal tone and briefly display that the amp has been disconnected.
3. Audio transmit functions will now be routed to the XE RSM or APX radio micro-phones depending on the radio configuration settings. Your communication system will now operate in standard APX radio / XE RSM communication mode.



## REMOVING BLUETOOTH DEVICE PAIRING INFORMATION

Once an EPIC 3 RDI Voice Amplifier and APX radio have been paired and connected, the Bluetooth device pairing information will be maintained until it is manually removed.

This ensures the RDI amp and APX radio will reliably and quickly reconnect when operated as a Bluetooth paired set.

To create a new RDI amp and APX radio paired set, it is recommended to remove all pairing information from both devices.

### EPIC 3 RDI Voice Amplifier Bluetooth Pairing Removal Process

1. Follow the RDI amp initial Bluetooth pairing instructions by pairing the RDI amp with a different APX radio. If the RDI amp is placed in initial Bluetooth pairing mode but is not paired with a different APX radio, the previous Bluetooth device pairing information is retained.

### APX Radio Bluetooth Pairing Removal Process – Two Display Radios

1. Access the Bluetooth menu via the front display and remove the current RDI amp pairing information.
2. Alternatively, the Bluetooth pairing information can also be removed by pressing the BT On/Off button (1-dot side button) for two seconds. The radio will emit an audio tone indicating the pairing information was removed.

### APX Radio Bluetooth Pairing Removal Process – One Display Radios

1. Press the BT On/Off button (1-dot side button) for two seconds. The radio will emit an audio tone indicating the pairing information was removed.





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