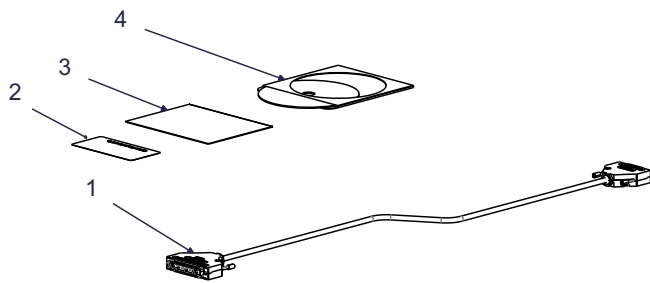


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RADIO DISPATCH PRODUCTS



Packing List

1. EFJ5300 Series Interface Cable
2. Option Code Label
3. Software License Letter
4. Radio Dispatch Product CD

Hardware Requirements

The IP-224 EFJ5300 Interface option is used with the following hardware:

- IP-224 Ethernet Adapter Panel
- EF Johnson 5300 (X/ES/SL/SL ES series) mobile radio

Software Requirements

The IP-224 EFJ5300 Interface option is used with the following software:

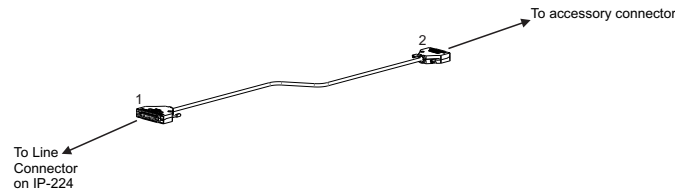
- IP-224 Firmware version 1.000 or later

Cable Connections

The IP-224 and EFJ5300 series radio are connected using the IP-224 EFJ5300 Interface cable. Each end of the cable is labeled with the connection device.

1. DB-37, Labeled *TO IP-224*
Connects to the programmed line connector on the rear panel of the IP-224.
2. DB-25, Labeled *EFJ5300*
Connects to the 25-pin option connector on the EFJohnson series 5300 radio.

EFJ5300 Series Radio Setup



The EFJ5300 series radio requires an EFJohnson cable option to connect the radio to the IP-224 EFJ5300 interface cable. The cable option part number depends on the series of radio being configured.

For more information on the specific radios, see the manufacturer's documentation.

NOTE: The EFJ5300 series radio firmware version must be 6.12.11 or later.

Radio Function Button Setup

The Radio Function Button setup is accomplished with PCConfigure, an EF Johnson application. Set the EFJ5300 series radio's channel type, talk groups, frequencies and function button.

NOTE: PCConfigure version 1.28 or later is required for this setup.

NOTE: For more information, see the manufacturer's documentation.

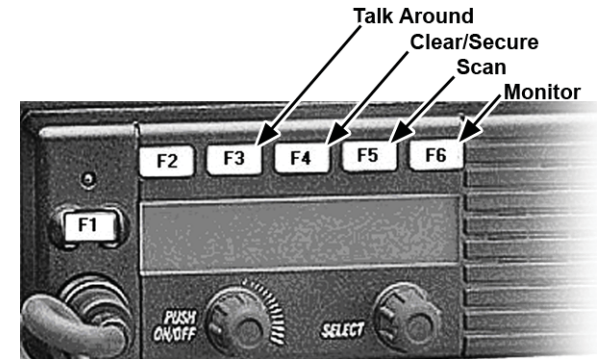
To configure the function buttons on the radio's front panel, do the following:

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EFJ5300 Interface

1. Set the F4 button to **Clear/Secure Encryption**.
2. Set the F5 button to **Scan On/Off**.
3. Set the F6 button to **Monitor On/Off**.
4. Set the F3 button to **Talk Around On/Off**.

Once the radio is connected and powered, the function buttons can be toggled to select desired function during radio operation.



Radio PTT ID

The IP-224 decodes and sends the incoming PTT ID and Emergency PTT ID to the console. The radio must be programmed to display the PTT ID upon receipt of the call.

To set the display time of the PTT ID and emergency PTT ID, do the following:

1. Using PCConfigure, set the display time to **Inf**.

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RADIO DISPATCH PRODUCTS

EFJ5300 Option Code

The EFJ5300 Option Code, a unique 32-character code, located on the option code label. The option code is based on each individual IP-224's serial number and cannot be used on another IP-224.

NOTE: The Option Code must be put into the Additional Features configuration webpage before EFJ parameters can be entered.

Feature Name	Number Of Lines Allowed
IDEN Radio	2
EFJohnson Radio	2
FleetSync Encode	2
FleetSync Decode	2
MDC1200 Encode	2
MDC1200 Decode	2

To **enter the option code**, do the following:

1. Open the **IP-224 Configuration webpage**.
2. Click **Additional Features**.
The Access Additional Features window appears.
3. In the Access Key field, enter your **Access Key** (Option Code).
4. Click **Submit**.

To **configure the Multicast Address webpage**, do the following:

NOTE: The RX and TX Multicast and Ports must match the Radio Dispatch Console Multicast and Port values.

1. From the IP-224 configuration webpage, click **Multicast Setup**.
2. Click **Line Setup**.
The Line Setup window appears.

3. Select the **Enable** check box for the line to configure.
4. From the Line Type drop down menu, select **Local Mode**.
The line is set to Local Mode and EFJohnson 5300 is selectable from the Serial Type drop down menu.
5. From the Serial Type drop down menu, select **EFJohnson 5300**.
6. In the Line Name field enter a **user-recognizable name** for the line (e.g., EFJohnson 1 and EFJohnson 2).

NOTE: For Step 7, Step 8, Step 9, and Step 10, the C-Soft and the IP-224's RX/TX Multicast and RX/TX Port numbers must match.

7. In the Rx Mcast field, enter the **Rx Multicast Address**.
8. In the Rx Port field, enter the **Rx Port number**.
9. In the Tx Mcast field, enter the **Tx Multicast Address**.
10. In the Tx Port field, enter the **Tx Port number**.
11. Select the **Auto Configuration** check box.

Line:	Line Enable:	Line Name:	Line Type:	Serial Type:	Vocoder Type:
1	<input checked="" type="checkbox"/>	Line 1	Local Mode	Off	ADPCM 32K
2	<input checked="" type="checkbox"/>	Line 2	Local Mode	EFJohnson 5300	ADPCM 32K

Line:	Mcast Enable:	RX Mcast:	RX Port:	TX Mcast:	TX Port:	TX Group Port:	TTL:
1	<input checked="" type="checkbox"/>	225.8.11.81	1054	225.8.11.81	1072	0	6
2	<input checked="" type="checkbox"/>	225.8.11.81	1055	225.8.11.81	1073	0	6

12. Click **Submit**.

Quick Start Guide

EFJ5300 Interface

Configuration Overview

NOTE: For configuration information, see the EFJ5300 to IP-224 Installation Manual (PN F.01U.218.557).

Verify you have completed the following tasks, before starting you EFJ5300 Interface.

- Access the IP-224 web browser.
- Enter the EFJ5300 Option Code in the Additional Features webpage.
- Configure the Line Type and the Serial Type on the Multicast webpage for EFJ5300 operation.
- Set up basic IP-224 parameters.

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