



MOTOROLA

# Flashing Adapter HLN9742



Professional Radio

Accessories

## GENERAL INFORMATION

The HLN9742 Flashing Adapter is a DB25 male/female connector with a three-position (A - OFF - B) toggle switch, that permits flashing of the portable and mobile Professional Radios. The adapter is compatible with the following cables:

### *For Portable Radios*

- RKN4074 Programming/Test Cable
- RKN4075 Programming Cable (with integral electronics)

### *For Mobile Radios*

- RKN4083 Programming/Test Cable
- RKN4081 Programming Cable (with integral electronics)
  - with flashing adapter switch in the A position, requires adapter cable RLN4853 (8-pin Telco jack to 20-pin Amp plug), which adapts/connects the cable to the mobile radio accessory port.
  - with flashing adapter switch in the B position, refer to the instructions provided with the upgrade tool that you are using for specific instructions.
- Refer to Figures 2 and 3 (page 5) for adapter/connection details.

**NOTE:** Flashing time for programming/test cable configurations using the RLN4008 radio interface box (RIB) is about four minutes. Flashing time for programming cable (with integral electronics) configurations is about two minutes.

## **CONNECTION AND PROCEDURE**

1. Toggle the adapter's switch to the OFF position and turn off the radio.
2. Connect the adapter between the RLN4008 Radio Interface Box (RIB) and the RKN4074 or RKN4083 Programming/Test Cable (Figure 2), or between the computer and the RKN4075 or RKN4081 Programming Cable (Figure 3).
3. Connect the opposite end of the cable to the portable radio's side connector or to the mobile radio's accessory connector.

**NOTE:** Programming cables for the mobile radio require Adapter Cable RLN4853 to make this connection.

4. Toggle the adapter's switch to the A (flashing mode) position and turn on the radio. The radio is ready for flashing.

**NOTE:** Some flashing procedures have specific instructions for using the adapter's switch position B. Refer to the instructions provided with the upgrade tool that you are using for such instructions.

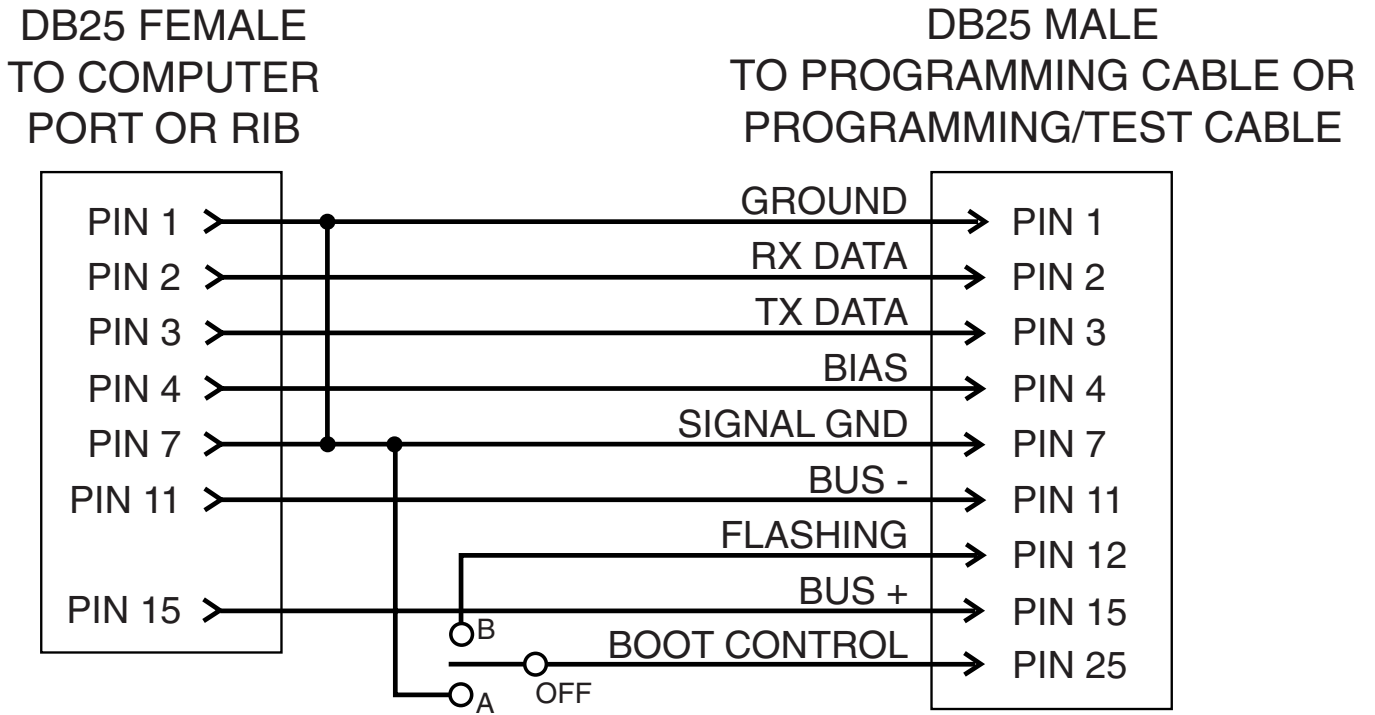
5. Using special flashing Customer Programming Software (CPS), flash the radio. Data transfer is completed between two and four minutes.
6. When the flashing procedure is complete, turn off the radio, toggle the adapter's switch to the OFF position, and remove the cables and adapter.
7. Turn on the radio for normal operation. You may need to remove and reinstall the battery on a portable radio, or cycle the power (off then on) on a mobile radio.

**NOTE:** The HLN9742 Adapter may be left in line — attached to the cable (with the switch toggled to the OFF position) for normal programming/testing.

## **SERVICE**

The HLN9742 Flashing Adapter is not repairable. Order a replacement adapter as necessary.

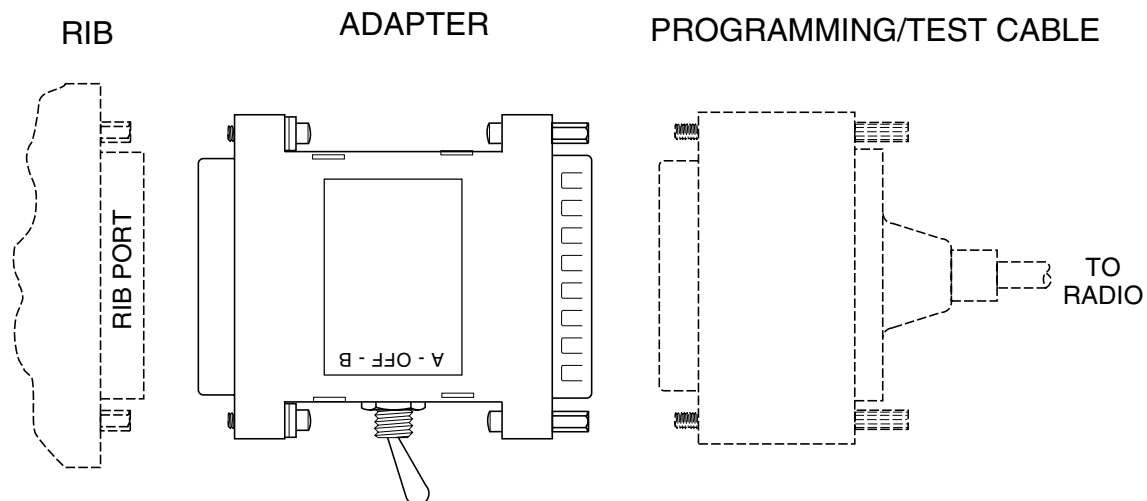
# SCHEMATIC DIAGRAM



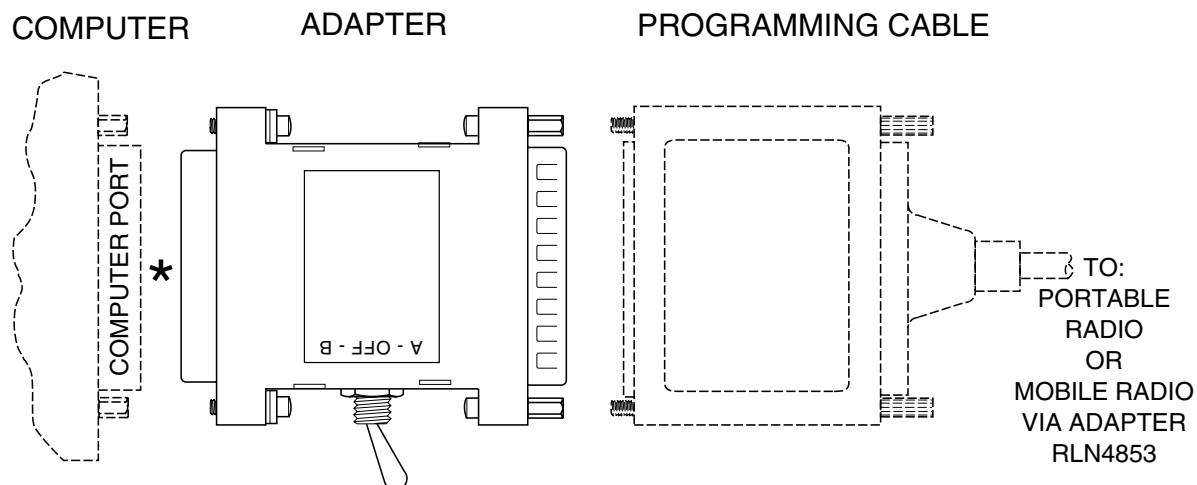
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Figure 1. HLN9742 Flashing Adapter Schematic Diagram

## ADAPTER/CONNECTION DETAILS



*Figure 2. Adapter with RIB and Programming/Test Cable*



\* Newer computers require the DB25/DB9 adapter supplied with the cable.

*Figure 3. Adapter with Computer and Programming Cable*

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