



# David Clark C91-20RD1 Radio Interface Cord Installation Guide

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## David Clark C91-20RD1 Radio Interface Cord



## Product Information

- **Product Name:** C91-20RD1 Radio Interface Cord (Motorola XTL/APX Series)
- **Description:** The C91-20RD1 Radio Interface Cord is designed to provide a connection between a 9100 Digital Intercom System and Motorola XTL/APX series radios or control heads (O5/O9 heads only). It allows the mobile radio's receive and transmit functions to become a part of the intercom system.
- **Connectors:** The C91-20RD1 features an IP68 push-pull connector on one end and an XTL/APX-compatible connector with two flying leads on the other end.
- **Receive Audio Level:** The received audio level is controlled by the volume control on the radio/control head. For fixed-level volume, please contact the factory for more information.

## Transceiver

1. Connect the trapezoidal 26-pin connector to the J2 connector on the back of the radio.
2. Cut the flying leads flush and protect them with heat shrink tubing.

## Control Head

1. Connect the trapezoidal 26-pin connector to the J100 connector on the back of the control head.
2. Connect the green flying lead to J200 pin 1 and the black flying lead to J200 pin 2. This connection is in parallel with the external speaker if equipped.

## Specifications

- **Model Number:** C91-20RD1
- **Compatible with:** Motorola XTL/APX series radios or control heads (O5/O9 heads only)
- **Connector Type:** IP68 push-pull connector and XTL/APX compatible connector with two flying leads

## FAQ

- **Q: How do I control the receive audio level?**

A: The receive audio level is controlled by the volume control on the radio/control head.

## Description

The C91-20RD1 Radio Interface Cord provides connection between a 9100 Digital Intercom System and Motorola XTL/APX series radios or control heads (O5/O9 heads only), thereby making the mobile radio's receive and transmit functions a part of the intercom system.

## Installation

Installation of the C91-20RD1 cable and the interaction with the XTL/APX radio is dependent upon the configuration of the 9100 Digital Intercom System. Navigate to our website and download detailed installation and configuration instructions or scan the QR code below for instant access.



The C91-20RD1 has an IP68 push-pull connector on one end and an XTL/APX compatible connector with two flying leads on the other end.

#### **XTL/APX Radio connection**

#### **XTL/APX Radio connection – see figures below**

Receiver audio level is controlled by the radio/control head's volume control. For fixed-level volume, contact the factory for more information.

#### **• Transceiver**

1. Connect the trapezoidal 26-pin connector to the J2 connector on the back of the radio.
2. Cut the flying leads flush and protect them with heat shrink tubing.

#### **• Control head**

- Connect the trapezoidal 26-pin connector to the J100 connector on the back of the control head.
- Connect the green and black flying leads to J200 pins 1&2, respectively. This connection is in parallel with the external speaker if equipped.

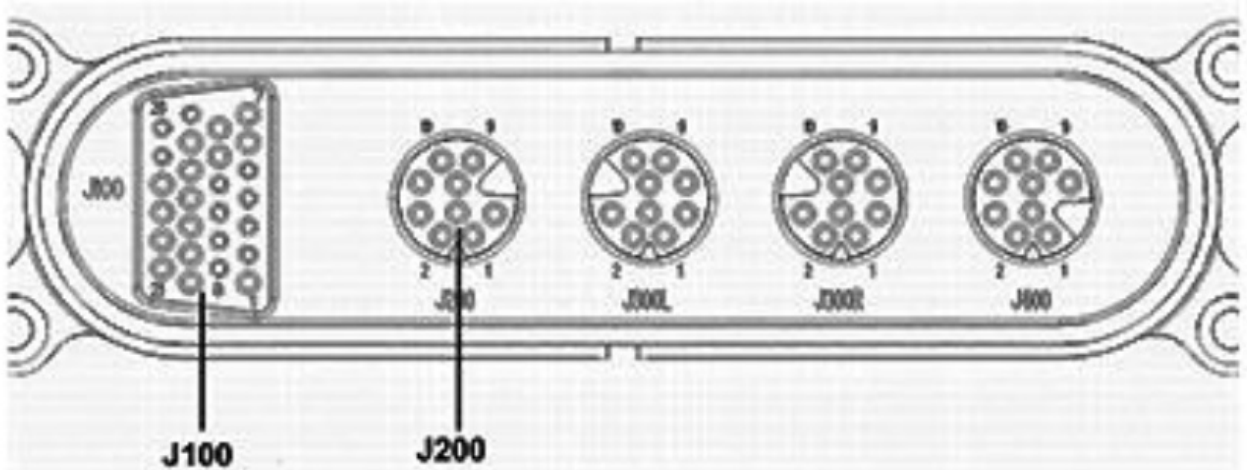
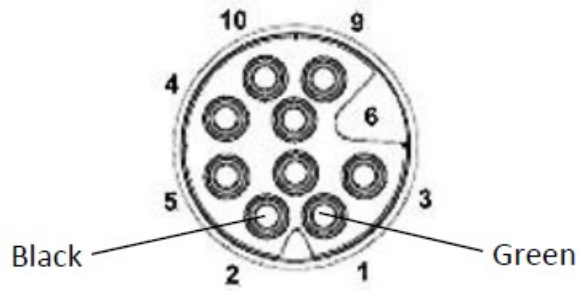


Fig. 1



**J200 Power and Audio Connector**

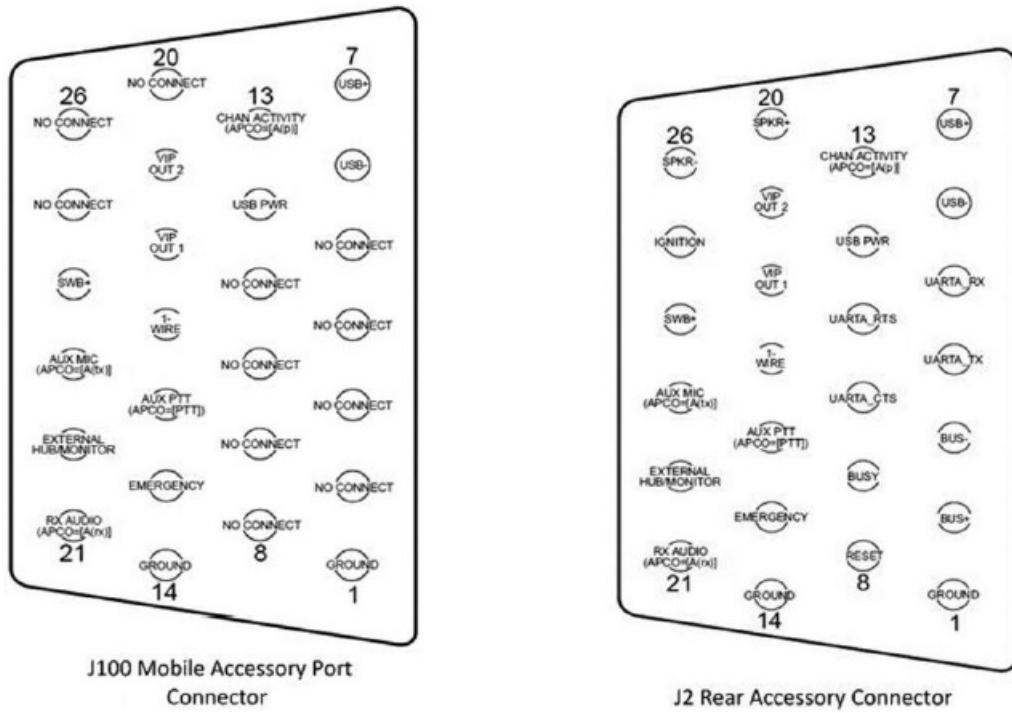


Fig. 2

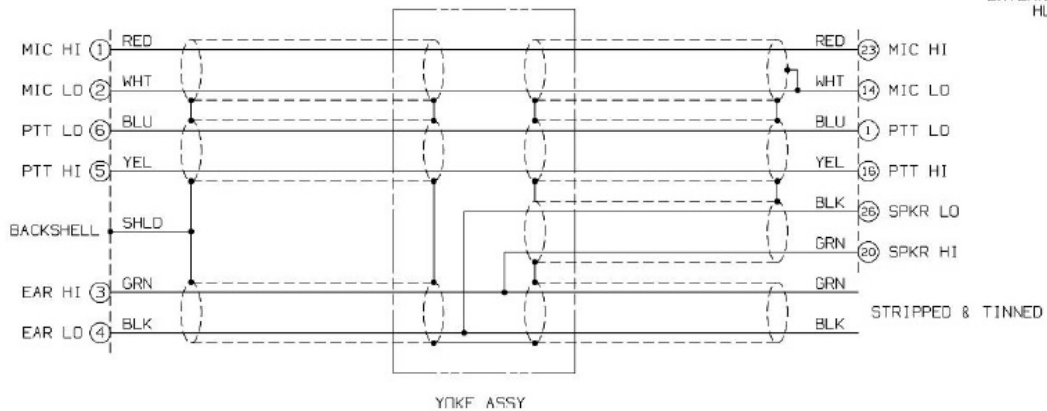
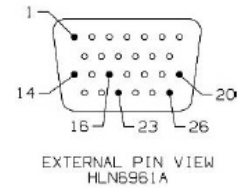
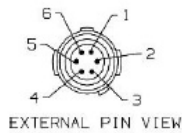
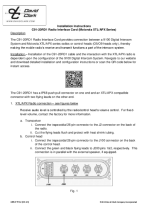


Fig. 3

## Documents / Resources

	<p><a href="#">David Clark C91-20RD1 Radio Interface Cord</a> [pdf] Installation Guide XTL-APX series, C91-20RD1 Radio Interface Cord, C91-20RD1, Radio Interface Cord, Interface Cord, Cord</p>
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## References

- [User Manual](#)