Double-L Antennas & Devices

DESCRIPTION

Model: DL-3R

Three Radio controller Interface

- Switches headphones, microphone, CW keyer and PTT
- Uses relays for headphones and microphone switching
- 3 modes PTT-interlocks (Single-op - Multi-Single - Multi-Multi)
- Quick and easy programming

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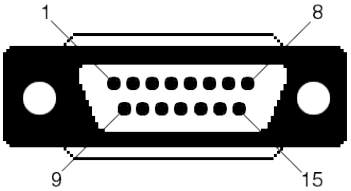
CONNECTORS

Model: DL-3R

Three Radio controller Interface

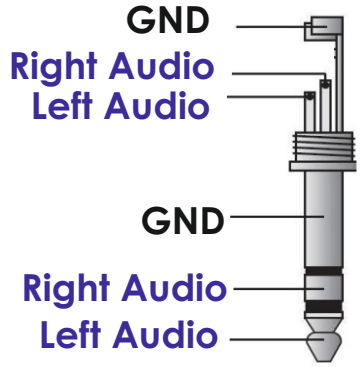
RADIO A, B, C



D-SUB 15 pin Plug

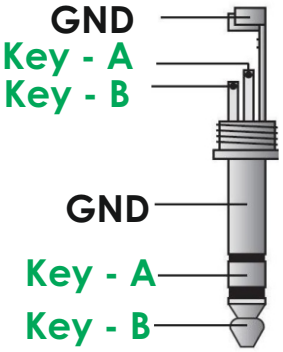
pin #	SIGNAL	Description
1	Left Audio	
2	Right Audio	
3	Mic +	
4	Key - A	
5	Key - B	
6	TRX PTT out	open collector
7	FS PTT out	open collector
8	PC PTT out	open collector
9	Audio GND	
10	Mic GND (-)	
11	GND	
12	GND	
13	GND	
14	TRX PTT in	When con to GND
15	PC PTT in	When con to GND

PHONES



6.3 mm Phone Plug and 3,5 mm Phone Plug
same wiring in two type plugs (in parallel)

CW PADDLE



6.3 mm Phone Plug and 3,5 mm Phone Plug
same wiring in two type plugs(in parallel)

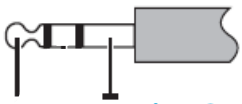
FS - Foot Switch

GND

FS PTT *(con to GND)*

RCA Plug

MIC



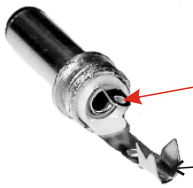
Mic + Mic GND

3,5 mm Phone Plug

PTTs Control Table

IN's/OUT's	TRX PTT	FS PTT	PC PTT
Foot Switch	x	x	
PC PTT in			X
TRX PTT in			

PWR + 12V



+12v (max 14v)

- GND

Power Plug 2,5x5,5 mm

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PROGRAMING

1.Modes Of Operation

To save certain Mode as Default, select desired Mode and press the Mode knob for at least 4 seconds.

1.1 Mode #1: Single Op.

In this mode, full PTT interlock is engaged to allow only one transmit signal at a time.

Headphones switching rule in the "BOTH" Mode:

Left ear – "main radio": Any one of your 3 radios is always designated to be in the left ear (Radio A by default). You may set any of your 3 radios "on the fly" as "Main" Radio by depressing desired radio knob for 1.5 seconds (corresponding LED blinks).

Radios B or C may be set as Default "Main" Radio" in the Programming Mode.

Right ear – "sub radio": Selection of the Sub Radio is being made by pressing the knob of the corresponding radio.

LED's meaning: **"Green"** is for active radio (will be **"Green"** for two radios of your choice in SO2R mode), **"Yellow"** is for the radio on hold. When any radio transmits, its corresponding LED changes to **"Red"**. The LED is not lighted up for inactive radio.

Switching of the Microphone and Paddle follows the PTT.

1.2 Mode #2: Multi-One

PTT intelock for two radios is engaged in this moment. 3rd Radio ("Mult") has no lockout (programmable).

1.3 Mode #3: Multi-Multi

All interlocks are disabled in this mode.

2. Programming Mode

To enter this mode depress BOTH knob for at least 4 seconds until LED "BOTH" starts blinking yellow.

1.1 Active ("In Use") Radio Selection

Select the radio you want to use by pressing the knob A, B or C. The LED of the corresponding radio should light up green. If none of the radios are selected (LED's are not lighted up), Radio A is becoming Active Radio (programmed by Default).

1.2 Setting The Default "Main" Radio (Headphones – Left ear)

To program the Radio A, B or C to be the "main", depress the knob of the corresponding radio for 2 seconds. LED blinking would mean that the programming is completed.

1.3 "MULT" Radio Selection in MULTI-ONE Mode (Mode #2)

Select needed radio by pressing MODE knob (Radio A corresponds to LED 1, Radio B – to LED 2 and Radio C – to LED 3). Then press and hold MODE knob for approximately 3 seconds until selected radio LED blinks to program selected radio as "Mult".

TO SAVE ALL SETTINGS DEPRESS AND HOLD "BOTH" KNOB FOR APPROXIMATELY 4 SECONDS – LED "BOTH" will blink in Red when the settings are saved.

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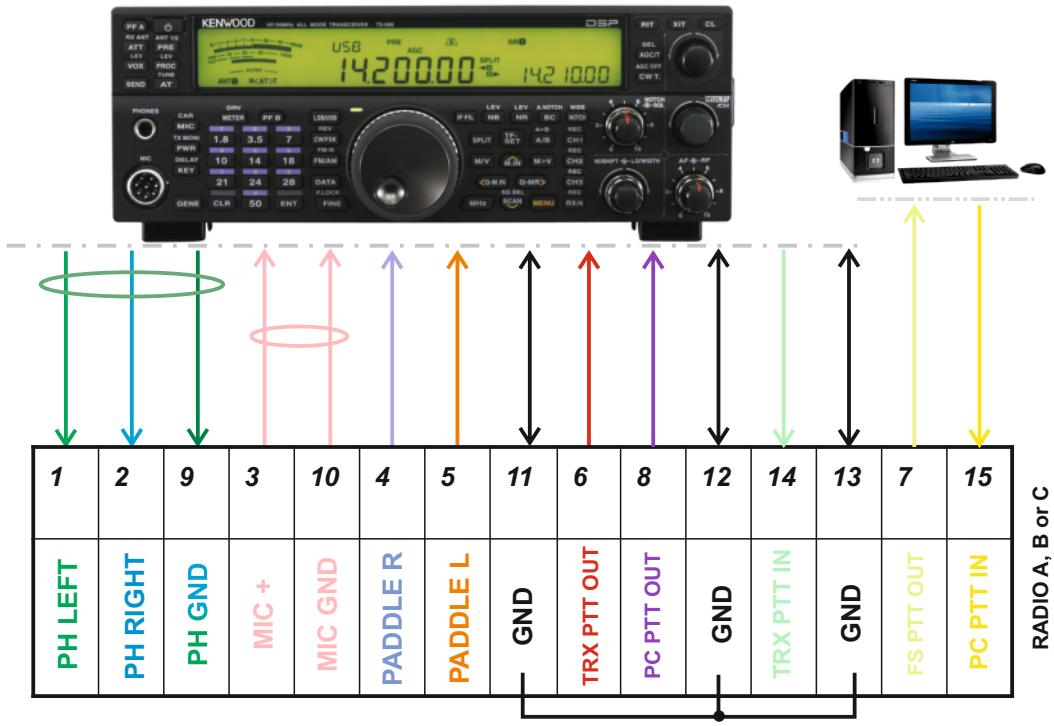
CONNECTIONS



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