

**RCA-14 Tranceiver
Accessory Port
Breakout Box**



LDG Electronics

1445 Parran Road, PO Box 48
St. Leonard MD 20685-2903 USA

Phone: 410-586-2177

Fax: 410-586-8475

ldg@ldgelectronics.com

www.ldgelectronics.com

RCA-14 Transceiver Accessory Jack Breakout Box

Table of Contents	
Introduction	2
Jumpstart, or “Real hams don’t read manuals!”	3
Specifications	3
Getting to know your RCA-14	4
Installation	6
Operation	8
Application Notes	9
<i>Base Station Use</i>	9
<i>Mobile Use</i>	9
Technical Support	10
Warranty and Service	10

Introduction

Congratulations on selecting the LDG RCA-14. The RCA-14 is a “breakout box” for the accessory jacks on popular transceiver, allowing easy access to the functions present on the jack. It provides access via standard RCA connectors, cables for which are common and cheap. This replaces the expensive and hard-to-find DIN type connectors found on many transceivers. This setup allows you to easily make multiple accessory connections, and to change the connections quickly and easily.

LDG pioneered the automatic, wide-range switched-L tuner in 1995. From its laboratories near the Nation's Capitol, LDG continues to define the state of the art in this field with innovative automatic tuners and related products for every amateur need.

Jumpstart, *or* “Real hams don’t read manuals!”

Ok, but at least read this one section before you transmit:

1. Plug the RCA-14 into your transceiver’s accessory jack using the included cable. Select the cable appropriate to your transceiver: DIN-13, DIN-8 or DIN 6. You can use the DIN-8 and DIN-6 together, but you must use the DIN-13 alone.
2. Connect accessories to the RCA jacks according to the pinout on Page 8 of this manual.
3. Operate your station normally.

Specifications

Transceiver interfaces: DIN-13, DIN-8, DIN-7, Mini-DIN-8, Mini-DIN-6 (cables provided)

Accessory interfaces: RCA jacks

Power requirement: none

Getting to know your RCA-14

Your RCA-14 is a quality, precision instrument that will give you many years of outstanding service; take a few minutes to get to know it.



The RCA-14 front panel has three transceiver interface ports: DIN-13, DIN-8 and DIN-6, supporting most popular transceivers. Cables for each are provided.



On the rear panel, there are 14 RCA output jacks, each connected to a pin on one of the interface cables. Although labeled "Outputs", all connections are bi-directional, and may be used as inputs

or outputs as needed. The path from the interface cable to the corresponding Output jack is a straight-through, direct connection; any signal that appears on an interface port pin will appear on the corresponding Output jack, and vice-versa.



The provided cables connect the RCA-14 to the appropriate jack on your transceiver. You can use the DIN-13 cable alone, the DIN-8 or DIN-6 alone, or both the DIN-8 and DIN-6 at the same time.

Installation

The RCA-14 is intended for indoor use only; it is not water resistant. If you use it outdoors (Field Day, for example) you must protect it from rain. Your RCA-14 requires no power, and has no controls; it is a completely passive device.

Position your RCA-14 in a convenient spot on your operating desk, anywhere within reach of its interface cable. The case has a mounting flange on each side; you can screw it to your desk or wall if you wish. Select the transceiver accessory jack(s) you wish to use, and plug the appropriate cable(s) into your transceiver's jack(s).

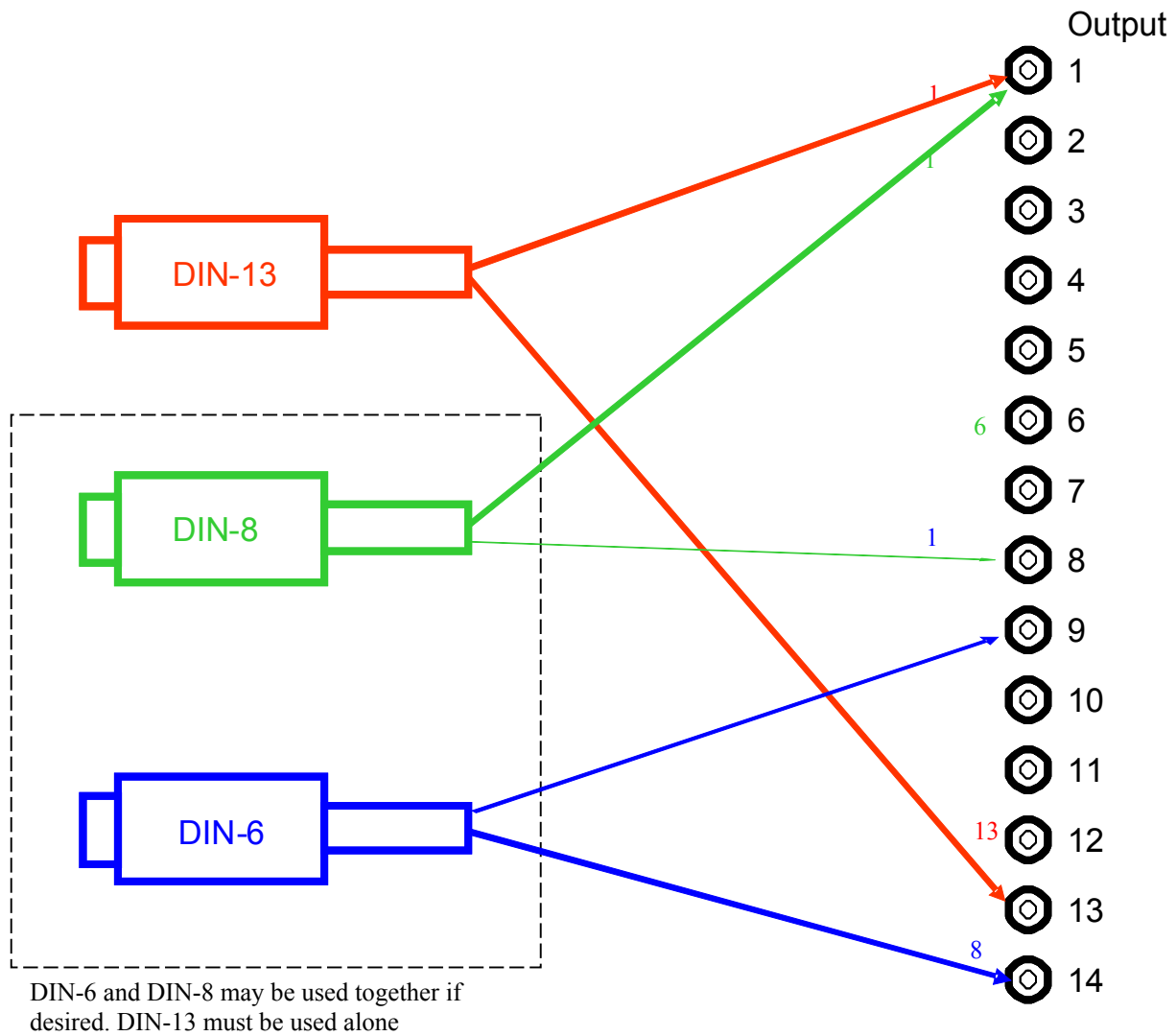




Connect your accessories to the RCA jacks using standard RCA cables (not provided). Suitable cables are available at any electronics or home entertainment store. RCA cables often come as pairs for stereo audio hookups. You can use them as-is, or you can easily split most of them to make two separate cables; just pull gently – they split right apart. Use the Output jacks as needed; you do not have to connect them all. Again, all “Outputs” are bi-directional; they can be used as input or outputs as needed.

When using the DIN-13 cable, pins 1 – 13 of your transceiver’s accessory jack are mapped to RCA Output jacks 1 – 13, respectively (Output 14 is not connected in this case). Consult your transceiver’s manual for the pinout of the accessory jack. For example, if the ALC line on your transceiver is pin 3 of its DIN-13 accessory jack, you would run an RCA cable from the Output 3 RCA jack to your amp. When using the DIN-13 cable, make no connections to the DIN-8 and DIN-6 jacks on the RCA-14 breakout box.

The DIN-8 cable maps pins 1 – 8 of the accessory jack to Outputs 1 – 8. The DIN-6 cable maps pins 1 – 6 of the accessory jack to Outputs 9 – 14. You can use the DIN-6 and DIN-8 cables at the same time if you wish. The DIN-13 cable must be used alone.



RCA-14 Pinout

Operation

To operate your RCA-14 you just, well, operate. The RCA-14 has no controls and requires no input from you. Simply use your transceiver normally, and your RCA-14 routes the selected signals between your transceiver and your accessories.

Application Notes

Base Station Use

Your RCA-14 can go practically anywhere on your operating desk. Some obvious choices are on top of the radio, or behind it.

Mobile Use

The RCA-14 is ideal for mobile operation. You can mount it on the dashboard with Velcro tape in any convenient location, or behind the radio. It will also do perfectly well in the trunk with your remote-mounted transceiver and 2KW linear.

Care and Maintenance

Your RCA-14 is maintenance-free. The outer case may be cleaned as needed with a soft cloth slightly dampened in a mild household cleaning solution.

As with any modern electronic device, your RCA-14 can be damaged by temperature extremes, water, impact or static discharge.

Technical Support

We are happy to help you with your product. For detailed tech support, submit our Tech Support form on our web site under Support/Manuals, then Tech Support. You can find us at www.ldgelectronics.com.

Warranty and Service

Your product is warranted against defects in parts or workmanship for two years from purchase. The warranty does not cover damage due to abuse or exceeding specifications. This warranty applies to the original purchaser only; it is not transferable. A copy of the receipt showing the purchaser's name and the date of purchase must accompany units returned for warranty service. All returns must be shipped to us pre-paid; we will not accept units with postage due. Please fill out and print the return form from our web site under Support/Manual, then Tech Support-Warranty.

If you need to return your unit to us for service, package it carefully, keeping in mind that we will re-use your packaging to return the unit to you. Include a full description of the problem, along with your name, address and a phone number or e-mail address on the web form. Repairs average about 3 to 6 weeks.

We will be glad to service your unit after the warranty period has ended. We will notify you of repair charges by phone or e-mail, and bill you after repairs are completed.

If you have an idea to improve the RCA-14, please send us a description. We encourage everyone who uses the RCA-14 to contact us (card, letter or e-mail preferred) telling us how well it works for you. We are also always looking for photographs of our products in use; we often place such pictures on our web site.



Autoryzowany Przedstawiciel LGD w Polsce:

abel & profit
centrum radiokomunikacji

INRADIO
ABEL & PRO-FIT Centrum Radiokomunikacji
ul. Puszkina 80 92-516 Łódź Poland
tel. (+42) 649 28 28 fax: (+42) 677 04 71
e-mail: biuro@inRADIO.pl
internet: www.inRADIO.pl