

IMPORTANT FACTS ABOUT ECHO BOXES

There have recently been many questions concerning Echo Boxes, which we hope the following information will answer. Due to the large number of CB manufacturers, it is often necessary to rewire an Echo Box to make it work on a specific radio. It is simple to do, as long as you follow a few basic rules.

1. Echo Boxes are not recommended for use with Linear Amplifiers.
2. To rewire an EB-1 and EB-2 it is important to remember that the connections must be the same at the input and output of the Echo Box. If you change one, the other must be changed to the same configuration.
3. A Midland, Royce, Boman, or Kraco radio requires the audio lead to be open during the receive mode. These units require model EB-6 or EB-7 which has the switching module factory installed.
4. Echo Boxes will work with amplified microphones; however, care is required in setting the input level to the Echo Box so that the Echo Box does not overload or cause a higher signal level input than your radio is designed to take.
5. Astatic, Turner, Telex, provide a microphone wiring booklet denoting the correct wiring of microphones to CB radios. We suggest that you utilize these excellent wiring guides to help in determining the proper pin to pin wiring configuration to convert the Echo Box to a particular radio. You may call the factory for specific wiring information, or with any problem that you feel you need help with.
6. It is important to remember that the Echo Box is used in conjunction with the audio lead and ground; switching wires are straight through with no internal connections.
 - A. Echo Boxes EB-1 and EB-4 (4 pin connector):

This unit is wired to fit Uniden chassis radios which consist of Cobra and President radios, or any other which are wired as follows: Pin #1 - shield; Pin #2 - white; Pin #3 - black; Pin #4 - red. This is commonly known as a relay switching radio. However, some of the electronic chassis are sometimes wired in the same manner.
 - B. Echo Boxes EB-2 and EB-5 (4 pin connector):

These have the audio lead on Pin #1 instead of Pin #2, as is common in the EB-1. If a squeal develops in the receive mode, this indicates a cybernet chassis and will require the model EB-6 or EB-7. EB-2 and EB-5 are commonly known as electronic switching models and will fit a variety of CB radios such as Lafayette, JC Penny, Fanon, Teaberry, etc. To convert an EB-2 to EB-1, exchange

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Pin #1 to Pin #2 both inside and outside of the Echo Box. This unit is wired as follows: Pin #1 - white; Pin #2 - shield; Pin #3 - black; Pin #4 - red.

- C. Echo Boxes EB-6 and EB-7 (4 pin connector):
These units are wired to fit the cybernet type chassis. It is commonly found in Midland, Royce, Kraco, Boman, etc. This unit opens up the audio lead during receive so that a squeal does not develop in the receive mode. The wiring of the unit is the same as EB-2 and EB-5.
- D. Echo Boxes EB-8 and EB-9 (5 pin threaded lock ring):
These units are designed to fit the Uniden chassis - President, Cobra, etc. This is wired in the following manner: Pin #1 - white; Pin #2 - shield; Pin #3 - black; Pin #4 - red; Pin #5 - blue.
- E. Echo Boxes EB-11 and EB-12 (5 pin din plug connector):
These units are designed to fit the G.E. - 5800 series and similar 180 degree din plug type radios. A six conductor mike cord is provided so this unit can be wired to fit Realistic, Lafayette, or other types chassis which require 5 pin connectors and mike cords. These units are wired in the following manner: Pin #1 - shield; Pin #2 - No connection; Pin #3 - red; Pin #4 - white; Pin #5 - black.

All units are available with a Modulation Linear Booster. This is a standard Echo Box - however, when the toggle switch is on (in the up position), the echo reverberation is displaced and full amplification of the audio signal (up to 22 db additional gain) is fed into your radio to allow full modulation and results in a much louder on-the-air signal: The slide control from 0-10 controls the amount of gain to allow full control of input levels to prevent overloading the input level of your radio.

OOPS! WE GOOFED!

Volume 4, Page 51 for Royce 1-641 - should be cut R99, not R98. Move pink wire from board and connect to Fuse 3 on power supply board. To increase slide, remove power supply chassis, open cover on PLL Osc. unit. Clarifier varactor is located at lower rear of PLL board. Pull trimmer cap next to varactor - lift anode of varactor and install super slide between anode and where anode was connected.