



ERA-DCRX Desktop Receiver

Owner's Manual

This device complies with Part 15 of the FCC rules, Operation of this device is subject to the following conditions: 1. This device may not cause harmful interference. 2. This device must accept any interference, including interference that may cause undesired operation.

Introduction

The ERA-DCRX is a wall mounted or desktop receiver that works with all ERA series transmitters.

The receiver plugs into a standard wall outlet and may be placed up to 4,000 ft. from the compatible transmitter. Please note, environmental factors such as building materials, terrain, and other factors will reduce the wireless range.

- Power Supply: 120V AC, 60Hz to 12V DC, 500 mA
- Operating frequency: 433 MHz
- Operating range: up to 4,000 ft (range will vary)
- The ERA-DCRX has four zones (4), with each zone capable of pairing with three (3) transmitters per zone.
- One of twelve melodies may be assigned to each zone.
- Each zone features 1 x 12V DC output.
- Output duration for the 12V DC output may be set to 5 sec, 10 sec, 1 min, & 2 min. The receiver features 1 x C-Form relay assignable to one or multiple zones & will take on the duration of the 12V DC output.
- The ERA-DCRX features a C-FORM relay that may be associated with any combination of zones.
- Volume control: 4 levels plus mute, plus off.
- Each zone is programmed to the "ding-dong" sound from the factory. User may change this melody.
- A small LED flashes for each zone when that zone is triggered.
- When triggered, if the transmitter battery is low, it sends a signal to the receiver. The corresponding LED on the receiver will continue to flash for 10 minutes & the receiver will double-play the melody.

Volume, Mute, Off:

The volume button on the side of the receiver controls the four different volume levels, mutes & turns off the receiver. Pushing the volume button controls these functions.

- When all four zone LED lights are red, this indicates maximum volume.
- Three zone LED lights indicate the third volume level.
- Two zone LED lights indicate the second volume level.
- One zone LED light indicates the minimum volume level.
- No zone LED lights & a red power indicator light means the sound is muted.
- No LED lights (no zone LED or power indicator) means the unit is off. Pushing volume again turns it back on to max volume.

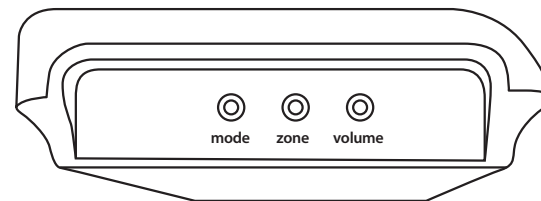
Pair Transmitter to Receiver:

(Always test unit prior to installation)

All ERA transmitters works with the ERA-DCRX receiver & basic programming calls for the user to pair the transmitters to a receiver & select a melody.

For quick setup, however, each zone defaults to a basic "ding-dong" sound allowing you to easily pair the transmitter for a faster set up process.

1. On the ERA-DCRX receiver, hold down the "mode" (left button in figure 1 below) button until you hear a short tone sound & the LED for "zone 1" flashes (approx 3 sec).
2. If you are programming the transmitter to zone 1 trigger the transmitter. Consult the transmitter's user manual for details on how to trigger the transmitter.
3. You will hear the receiver play a short musical note (zone 1 will continue to flash).
4. To program a transmitter to a different zone, press the "zone" button on the receiver to scroll to the appropriate zone. The zone you want to program will flash. Repeat step 2 above.
5. Once you have programmed all the zones move to the next step.
6. To exit program mode, hold down the "mode" button until you hear a short tone sound (approx 3 sec).



(Figure 1)

Changing the Zone Melody:

By default, each zone is programmed by the factory to play the ding-dong sound

1. Hold down the "zone" button until you hear a short tone & all LEDs on front panel of receiver will be red (approx 3 seconds). The zone you are programming will flash.
2. Press the "volume" button to scroll through the 12 available melodies for selection. Once you find a melody you like, move to step 3.
3. Press the "zone" button to scroll to the next zone & repeat step 2 to program a melody to other zones.
4. Once you have programmed a melody to all necessary zones, move to step 5.
5. Hold down the "zone" button until you hear a short tone sound (approx 3 seconds) notifying the receiver is out of melody programming mode.

Erasing Programming (memory):

1. Hold down "mode" button until you hear a short tone & the zone 1 LED flashes. When this happens, let go of the button.
2. Simultaneously, hold down the "mode" & "volume" button until all LEDs stop flashing & you hear a short melody sound (approximately 5 seconds).
3. All LEDs will stop flashing & only the green LED power indicator will display. The memory is now erased.

Using 12V DC Outputs:

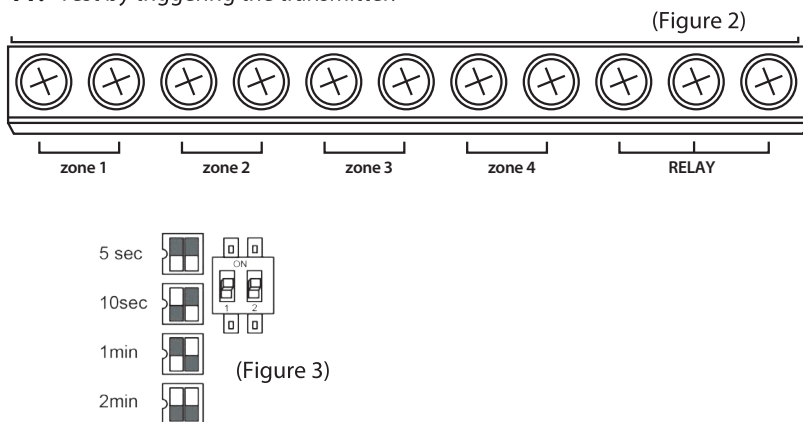
- Each zone on the ERA-DCRX features a live 12V DC output.
- The output duration may be set to 5 seconds, 10 seconds, 1 minute or 2 minutes using the dip switches located inside the receiver (figure 3.)
- The output duration settings will apply to all zones & the C-Form Relay.
- The C-Form Relay may be associated with a specific zone or multiple zones.
- 12V DC output current: 400mA maximum.

Connecting a 12V DC Device:

Each zone on the ERA-DCRX has a 12V DC output and when triggered, the zone will output 12V at 400 mA maximum to that zone.

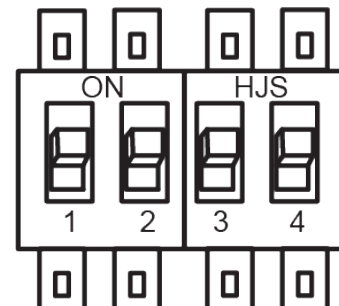
Using the 12V DC Outputs:

1. **IMPORTANT:** Unplug the receiver.
2. Separate top receiver case from bottom receiver case.
3. Locate the terminal block (see figure 2) located on the bottom of the pc board.
4. Loosen the screws for the zone(s) that you are connecting a device to.
5. Wire the external 12V DC into the terminal connection blocks that corresponds to the respective zone. *For example, if a push button is paired to zone 1, and you want a strobe to flash for zone 1, wire the strobe into the terminal block for zone 1.*
6. Observe polarity when necessary. *For example, for a strobe light, ensure you are connecting the positive wire on the strobe to the positive terminal on the receiver.*
7. Re-tighten screws on terminal block.
8. Adjust output duration as needed (figure 3.)
9. Snap cover back together.
10. **IMPORTANT:** Plug in receiver.
11. Test by triggering the transmitter.



Using the C-FORM Relay:

- Unplug the receiver.
- Use the C-FORM relay by connecting an external device to the N/O or N/C and the COM terminal screws (see figure 2.).
- Associate a zone, or combination of zones to the relay using the dip switches in figure 4.
- The relay is rated at 12V 3 Amp.
- Plug in the receiver.



(Figure 4)

Technical Support:

If you encounter any difficulties in the operation or programming of this product after reading the manual, please contact us. You can reach us by phone at 904-245-1184 from 8:00 AM to 5:00 PM Monday - Friday (Eastern Standard Time). We will be happy to answer your questions and help you in any way possible.

WARRANTY

Safeguard Supply warrants this product to be free of defects in material and workmanship for a period of one year from the date of purchase. This warranty does not cover damage resulting from accident, abuse, act of God or improper operation. If this product does become defective, simply return it to Safeguard Supply. Please include a note describing the troubles along with your name and return address as well as the original sales receipt. If the product is covered under warranty it will be repaired or replaced at no charge. If it is not covered by warranty, you will be notified of any charges before work is done.

Safeguard Supply: 1680 Roberts Blvd. NW #404., Kennesaw, GA 30144 Phone: (678) 214-4212, www.safeguardsupply.com, info@safeguardsupply.com.

Legal Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



WARNING: Cancer and Reproductive Harm. Go to www.P65Warnings.ca.gov for more information.