

# GLR2702/GLR43302 GIGALINK™ RECEIVER SETUP

## INSTRUCTIONS

The transmitter/receiver can be single or channelised code programmed.

### **Single Code Programming**

This is used for programming one channel at a time to the transmitter. Single code programming can be achieved by following the steps below:

- Step 1: Connect power to the GIGALINK™ receiver.
- Step 2: Momentarily short the two CC pins on the receiver board. (This sets all the channels to a random code. If there are transmitters previously programmed, they will have to be re-programmed when CC pins are shorted.)
- Step 3: Select the receiver channel, to be programmed, by setting the 2-way dip switch. See dip switch table below.

Dip Switch Setting		Receiver Channel (Output Relay)	Receiver Type
1	2		
Off	Off	1	GLR2702/GLR43302
On	Off	2	GLR2702/GLR43302

- Step 4: Connect the transmitter to the receiver by inserting the GIGALINK™ cable into the transmitter and receiver 2.5-mm socket. (This will activate the programming mode and is indicated by the red light (LED) on the transmitter that must remain “on”)
- Step 5: Activate one of the selected channels on the transmitter for approximately one second, LED should blink twice to confirm code programming and then switch “off”.
- Step 6: Disconnect GIGALINK™ cable.

Repeat steps 3 to 6 to program another transmitter channel.

### **Channelised Code Programming**

This is used to program all channels from a multi channel receiver to a multi channel transmitter. Channelised code programming can be achieved by following the steps below:

- Step 1: Connect power to the GIGALINK™ receiver and make sure all switches on the mode dipswitch are off.
- Step 2: Momentarily short the two CC pins on the receiver board. (This sets all the channels to a random code. If there are transmitters previously programmed, they will have to be re-programmed when CC pins are shorted.)
- Step 3: Connect the multi channel transmitter to the multi channel receiver by inserting the GIGALINK™ cable into the transmitter and receiver 2.5-mm socket. (This will activate the programming mode and is indicated by the red light (LED), on the transmitter that must remain “on”)
- Step 4: Press any two channels simultaneously on the multi channel transmitter for one second, LED should blink twice to confirm code programming and then switch “off”.
- Step 5: Disconnect GIGALINK™ cable.
- Repeat steps 3 to 5 to program another multi channel transmitter.

## Different Modes for the Output

Modes are user selectable from the 2-way dipswitch. **Dipswitch 1 corresponds to relay channel 1 and dipswitch 2 corresponds to relay channel 2.**

Momentary Mode	If the dipswitch is “off” the relay will be in momentary mode.
Flipflop Mode	If the dipswitch is “on” the relay will be in flipflop mode.
Latching Mode	If latching is required (Relay stays on until power is removed) the latching link should be inserted and soldered into the two holes to the right of the 2-way dipswitch. This will enable corresponding relays to latch.

## Troubleshooting

This section contains helpful troubleshooting tips and solution.

### Symptom

Receiver not responding to transmitter after programming.

Transmitter activates wrong channel on a multi-channel receiver.

Transmitter has short range.

Led is flashing on the transmitter.

### Solution

Try to program the transmitter again, but this time connect battery to the transmitter. If transmitter only programs when the battery is connected, return transmitter to Elsema.

Check if GIGALINK™ cable is inserted correctly

Wrong dip switch setting while programming the receiver. Use the dip switch table and program again

Check receiver antenna connection. If you are using a shielded coax cable, check that the shield and core are connected probably.

Replace battery.

## Customer Support

If your transmitter and receiver are still not operating properly, contact Elsema's Support Office at:

Phone: 61 (2) 9609 4668

Fax: 61 (2) 9725 2663

or you can visit our web site at <http://www.elsema.com> for the latest updates.