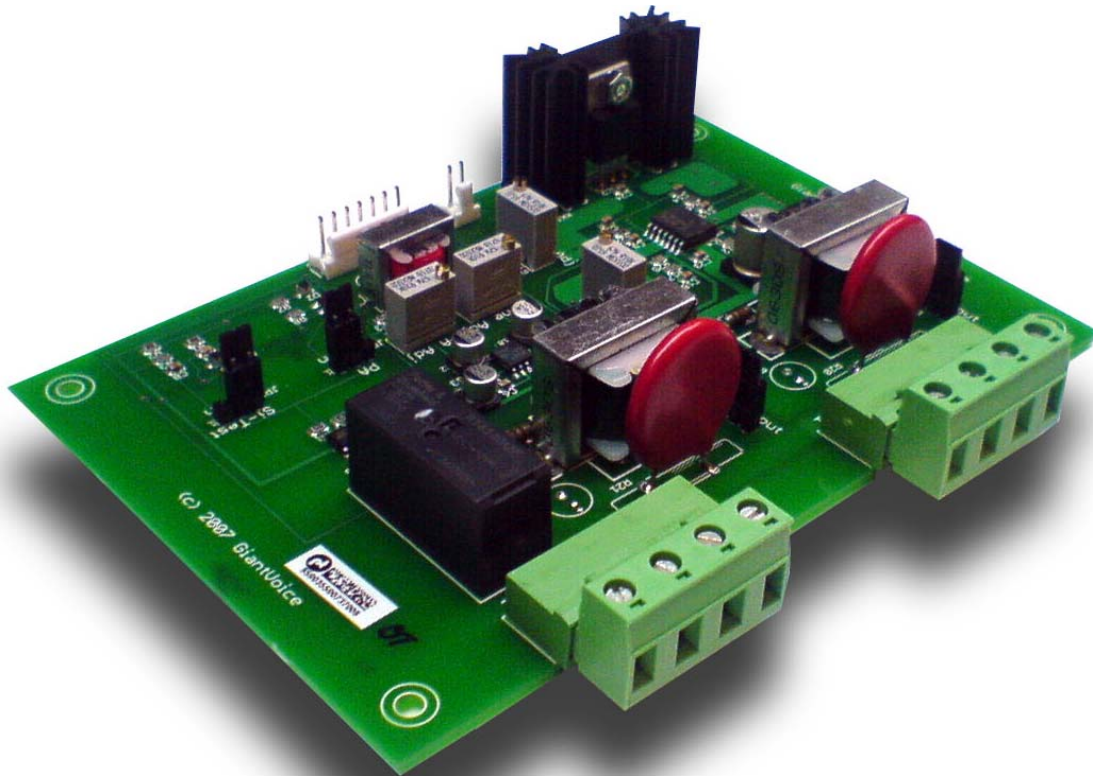


INSTALLATION INSTRUCTIONS
GIANT VOICE® Paging Interface**GV-PGINT****Important Note to the Installation Technicians**

The installation of this product requires careful planning and attention to detail! The installation of this system should NOT be attempted by individuals without experience in the disciplines necessary to this procedure.

The Giant Voice® Paging Interface comes with four screws and two cables for installation:



Fig. 1 C2020 signalling cable

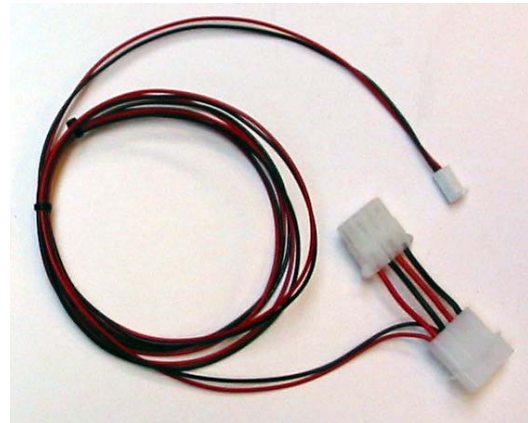


Fig. 2 Power supply cable

Location of the paging interface inside the electronics cabinet:



Fig. 3 Paging interface installed in a TWS series cabinet.



Fig. 4 Paging interface installed in a WPS series cabinet.

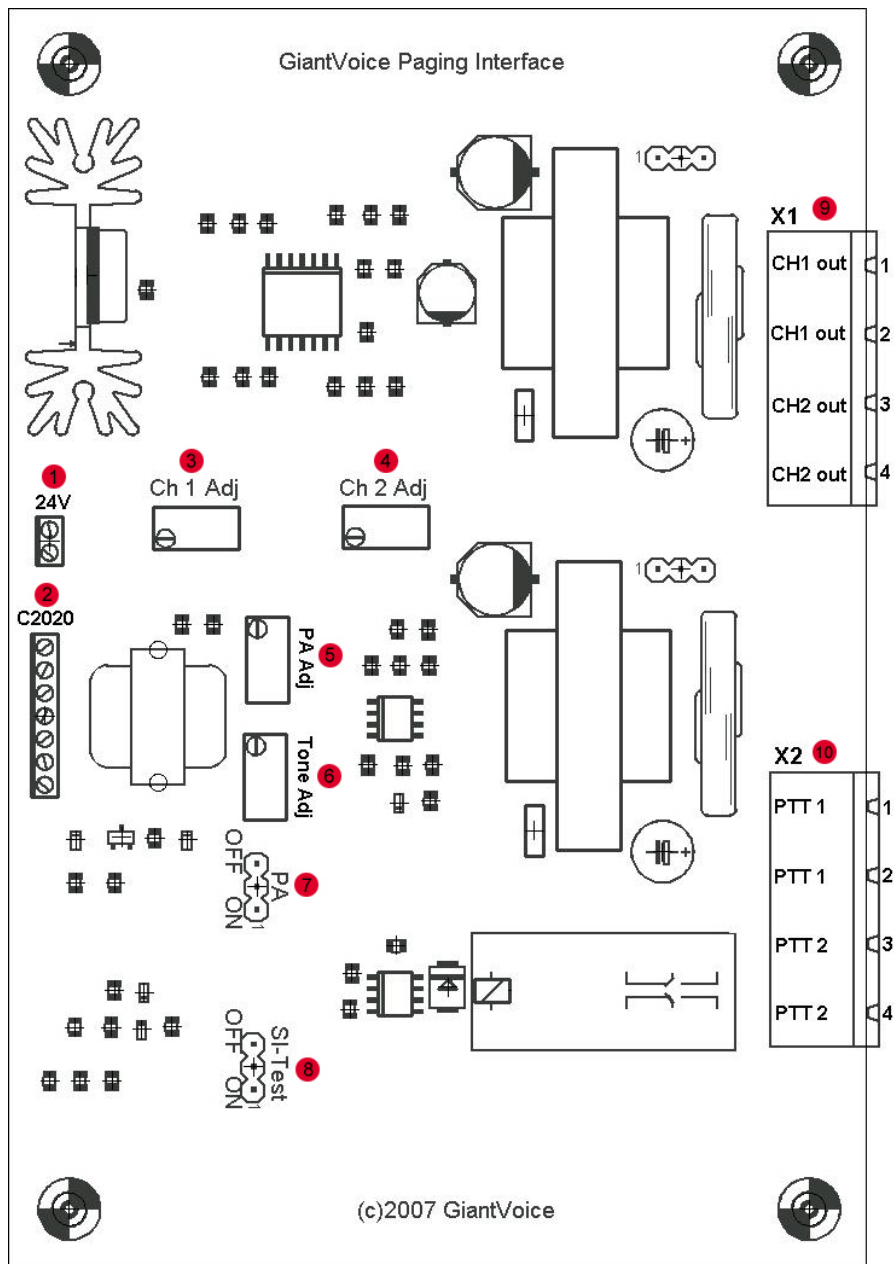


Fig. 5 component locations.

1. Power supply connector.
2. C2020 signal connector.
3. Channel 1 level adjustment.
4. Channel 2 level adjustment.
5. Public Address mode level adjustment.
6. Siren alert tone level adjustment.
7. Public Address selection jumper for PTT closure.
8. Silent Test selection jumper for PTT closure.
9. Audio out connector.
10. PTT dry closure connector.

How to install the paging interface into the siren unit.

- Before installing the paging interface remember to turn of the mains power for the battery charger and disconnect the batteries by turning the battery switch off.
- Mount the paging interface inside of the cabinet with the four enclosed screws. The location depends on which type of system you have purchased. In a TWS series cabinet the paging interface is installed in the upper left corner on the back of the cabinet. In a WPS series cabinet the paging interface is installed on the inner right side of the cabinet behind the battery charger. Please refer to fig. 3 and 4 for the exact location
- Connect the 7-core signal cable between the white 7-pin paging interface connector on the C2020 logic control board and the white 7 pin connector on the paging interface named C2020.
- Connect the 2 core power supply cable for the paging interface. The adaptor end of the supply cable connects in between the C2020 power supply socket on the motherboard and the plug for the C2020 harness. The other end of the supply cable connects the white two-pin connector on the paging interface named 24V.
- After connecting the paging interface turn the battery power on and connect the mains power to the battery charger.

Your paging interface is now ready to be configured, adjusted and connected to paging/PA amplifiers and other auxiliary equipment.

After connecting the external equipment to the paging interface, secure the front plate and close the cabinet door.

How to connect the paging interface to the C2020 logic control board:

The paging interface connects to siren electronics via two cables: one two-core cable to provide power supply to the interface and one seven-core cable to feed signals from the C2020 control board to the interface.

The red square on the picture below shows the signal connector for the paging interface on the C2020 control board. The seven core cable connects here.

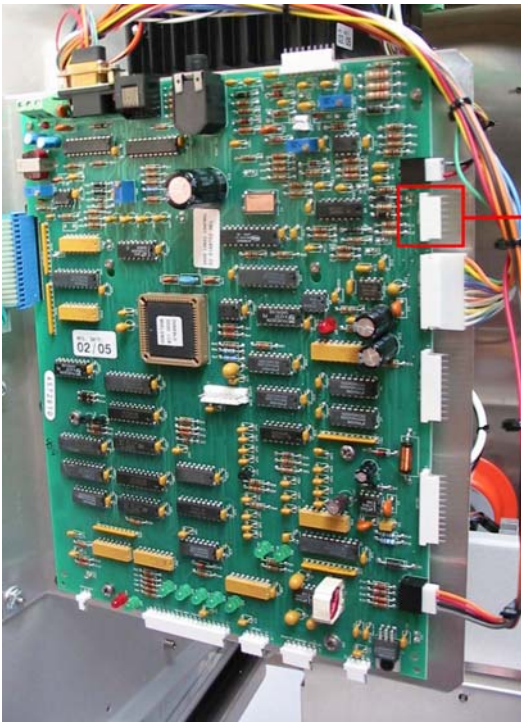


Fig. 6. C2020 control board connector.

The picture below shows the location of the C2020 power supply connector on the siren motherboard. It also shows how the power supply cable for the paging interface is connected in between the socket on the motherboard and the plug for the C2020 harness.



Fig. 7 C2020 power supply connector

How to adjust your Giant Voice® Paging Interface:

The paging interface has two main volume controls, one for the siren tone sound and a separate one for the PA sound. Furthermore, each of the two audio channels has a separate volume control to adjust the audio output level.

Multiturn trimmers are used in all places where volume can be adjusted. Turning the trimmers clock wise (CW) turns the audio level up. Turning the trimmers counter clock wise (CCW) turns the audio level down.

- The trimmer for adjusting siren tone sound is marked **Tone Adj**
- The trimmer for adjusting PA broadcasting sound is marked **PA Adj**
- The trimmer for adjusting CH 1 output level is marked **CH1 Adj**
- The trimmer for adjusting CH 2 output level is marked **CH2 Adj**

For the location of volume trimmers please see figure 5.

Audio output range on each channel is adjustable from 0 upto 15 volts RMS @ 600 Ohms load. The audio outputs are placed in the X1 connector. Pin 1 and 2 provides the balanced audio output from CH 1. Pin 3 and 4 provides the balanced audio output from CH 2.

The dry closure PTT outputs are placed in the X2 connector. Pin 1 and 2 provides output 1. Pin 3 and 4 provides output 2.

The PTT outputs are dry closure contacts. The contacts are normally open and will provide closure during tone activations. Closure during Public Address announcements and during Silent Test is configurable with jumpers.

PA Jumper*:

Position:

ON	PTT closure during Public Address announcements
OFF	PTT open during Public Address announcements

SI-Test Jumper:

Position:

ON	PTT closure during SI-Test
OFF	PTT open during SI-Test

* The PA jumper also configures the PTT closure for Digital Voice Message broadcasts.

When removing the SI-Test jumper and setting the PA jumper to ON, the PTT outputs will provide closure **only** when the siren is in PA mode (no siren tone or SI-Test PTT). For location of the PA and SI-Test jumpers please see figure 5.