

FREQUENTLY ASKED QUESTIONS - INSTALLATION

Detailed installation information for the GI-100 is given in the Operator's Manual. A summary of the six installation steps is given on the Installation link from the website. For questions not addressed in either of these locations, or ones not addressed below, send an email using the Support link on the website.

Q. Can the GI-100 be installed indoors?

A. Yes. It may be difficult to find a suitable location indoors that has enough room for the antenna, and the range may be limited by the attenuating properties of the building structure, but an indoor installation is perfectly acceptable.

Q. Can I use a different antenna with the GI-100?

A. The GI-100 has been designed to match to the maximum length antenna allowed by Part 15 of the FCC code. The FCC certification is only valid with this antenna.

Q. Can the GI-100 be installed in a vehicle?

A. The GI-100 will operate directly from a 12-volt vehicle battery and can be mounted on the vehicle in a manner such that it is grounded to the frame of the vehicle. The antenna mount is not designed to withstand the wind and vibration forces associated with traveling at high speed or over rough terrain while it is deployed.

Q. Can the GI-100 be mounted directly to a wood support, such as a deck post, using wood or deck screws?

A. Yes. The screws must be put in at an angle to avoid hitting the transmitter's PVC enclosure. It is suggested that stainless steel flat washers be used with the screws so the heads do not pull through the holes in the transmitter bracket. These screws and associated washers can also be used to attach the ground wire.

Q. The documentation stated that the Audio Source is to be supplied locally. What is a suitable audio source and where can I get one?

A. An audio source can be anything that produces an electronic sound: microphone, tape player, CD player, MP3 player, turntable, electric guitar -- anything that you can plug earphones into. In many cases, you will want to use more than one source that you can switch between, for example a microphone and a tape player.

The Grain Industries Studio Controller has two inputs with a fader control to smoothly switch between them. For installations that require more than two sources, an additional mixer can be added. Any audio supply house should be able to supply your needs in equipment as well as interconnecting cables.

We have found one audio source that is particularly useful in our studio: a flash MP3 player. The one we use has the ability to download files from a PC as well as to record audio directly. By recording messages and downloading music files, it is easy to build a complete program that the player can present to the transmitter without attending to it. It even has a loop feature that will repeat the program indefinitely.