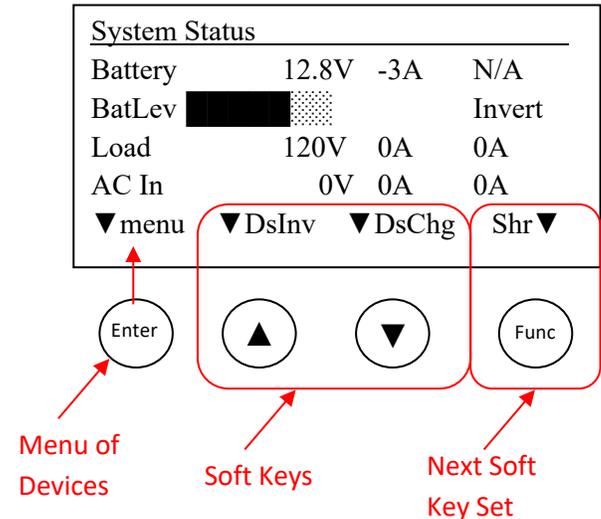


How to use the Xantrex Inverter (Freedom SW 2nd Gen)

Your inverter system has been specified and tested to function in your installation. It is widely configurable requiring knowledge on the menu items available. However, the most common functions are easily available from the main screen. Instructions for these common functions are below.

1. Turn the inverter/charger on/off
2. Program your AC input (shore power)
3. Set your Automatic Generator Start



1. Turn the inverter **on/off** *
 - a. Rotate through the Soft-Keys by pressing the Func button until "Home" is displayed above the Func button, then push once more to access the Inverter Soft Keys.
 - b. If the inverter is enabled, "DsInv" will be displayed above the ▲ button.
 - i. Push the ▲ button to disable the inverter.
 - c. If the inverter is disabled, "EnInv" will be displayed above the ▲ button.
 - i. Push the ▲ button to enable the inverter.
2. Program your **AC input** (Shore Power)**
 - a. Rotate through the Soft-Keys until "Shr" is displayed above the Func button, and then push once more to access the Power Share Soft Keys.
 - b. Displayed will be PSxxA (where XX is the amperage allowed for Power Share)
 - i. Push the ▲ or ▼ buttons to set the value desired setting.
 - ii. When you stop pushing buttons, the value will be set within 2 seconds.
3. Set your Automatic Generator Start Module
 - a. Rotate through the soft keys until "AGS" is displayed above the Func button, then push once more to access the Automatic Generator Start Soft Keys.
 - b. Displayed will be the current setting of the AGS Module (manual off, on, or automatic)
 - i. Push the ▲ or ▼ buttons to set the value desired setting.
 - ii. M_Off means the system will manually turn off the generator.
 - iii. M_On means the system will manually turn on the generator.
 - iv. Auto means the system will begin monitoring for auto start/stop triggers.

Understanding the soft-keys

The Menu Button is not involved in the soft-keys. It simply progresses the whole screen to the **menu of connected** devices on the network.

The **Soft Keys** are the ▲ and ▼ buttons in the normal menus, but from the main screen, they function according to the text on the screen directly above the keys.

The Func key changes the **Soft Key Set** above the ▲ and ▼ buttons depending on the connected devices on the network.¹

The text above the Func, ▲, and ▼ buttons quickly show the setting of that value, or the command you can give.

For example, if the text above the ▲ button says “DsInv” then pushing the button sends a “Disable Inverter” command

Likewise, if the text above the Func button is “Shr”, then pushing the Func button sets the value of Power Share to what is showing after the change.

Note1:

If the Charger is enabled, “DsChg” will be displayed above the ▼ button.

Push the ▼ button to disable the Charger.

Charger will automatically be enabled when AC power is cycled.

If the Charger is disabled, “EnChg” will be displayed above the ▼ button.

Push the ▼ button to enable the Charger.

Note2:

AC input settings give the charger the ability to de-rate itself based on amperage draw of the charger **AND** the downstream loads. The charger will attempt to keep the total draw below the setting displayed. Unless the Sequence Energy Management System is utilized, the charger cannot de-rate based on loads not passed through (upstream of) the inverter, or if the total downstream load is above the setting.

Xantrex inverter Quick Troubleshooting

Your inverter system has been specified and tested to function in your installation. If you feel your inverter is not functioning properly, please check the following before contacting the manufacturer.

1. Is the inverter enabled?
2. Is the inverter in "Search Mode"?
3. Is the inverter in standby?

Solutions for each possibility are below (Owner's manual page# or reference in parenthesis):

System Status			
Battery	12.8V	-3A	N/A
BatLev			Invert
Load	120V	0A	0A
AC In	0V	0A	0A
▼ menu	▼DsInv	▼DsChg	Shr ▼

Inverter Status

1. What is the inverter status?
 - a. QualifyingAC
 - i. This means that the inverter is disabled.
 - ii. Please enable the inverter (Figure13 Page 23).
 - b. Load Sense
 - i. This means that "Search Mode" has been enabled on the inverter.
 - ii. Please disable Search Mode (Page 34-35).
 - c. InvtrStandby
 - i. This means that the inverter has been put in "Standby" mode.
 - ii. This is usually done for safety; ensure that the environment is safe.
 - iii. Put inverter in operating mode by holding the red STBY/ON button for three seconds.
 - d. Invert
 - i. This means the inverter is actively inverting.
 - ii. Look at the "Load" line which should read inverter voltage and amperage.
 - iii. If AC is still not available, check breakers/wiring.
 - e. Bulk/Absorption/Float
 - i. This means the unit is charging and should be passing AC through from shore or Generator.
 - ii. Check AC in voltage and amperage. Compare to Load voltage and amperage.
 - iii. If AC is still not available, check breakers/wiring.

For all other questions, please refer to the Troubleshooting chapter of the Owner's manual on page 65.