Introduction
Thank you for purchasing the Freedom X Remote Panel. This user guide will help you install and use the remote panel to operate and configure the Freedom X and XC series remotely.

What's In The Box
Check that you have the following items in the box before proceeding.
- the Freedom X remote panel unit
- user guide and mounting template
- 25-ft. 6-conductor com cable kit (808-0817-01 unit only)

What's Required
If you received the 808-0817 unit, you need to acquire the following 6-conductor cable kit from Xantrex. Go to http://www.xantrex.com/power-products-support to order.
- 25-ft. 6-conductor com cable kit (PN: 31-6257-00)
- 50-ft. 6-conductor com cable kit (PN: 31-6262-00)

Installation
1. Prepare the remote panel unit and the 6-conductor com cable kit.
2. Choose a location for the remote panel unit within reach of the com cable and the inverter unit.
3. Use the mounting template (in section A) to make the installation of the remote panel easier.
4. Mount the remote panel unit.

Features
Status LED Indicators
- solid green: Indicates grid mode in which shore power is available and passing through to the loads and charging the battery.
- solid green: Indicates battery mode (inverter mode) in which the inverter is running and supplying power to the loads from the battery.
- solid red: Indicates error or fault mode and is accompanied by an error code displayed on the LCD screen.
- flashing red: Indicates a warning condition and is accompanied by an error code and a sounding alarm.

LCD Screen
- AC input and output indicator.
- The wrench icon underneath a number is displayed during configuration mode.
- An error event with its corresponding number is displayed here.
- A warning event with its corresponding number is displayed here.
- Shows an AC output overload condition.
- The load icon is displayed if there is voltage available at the AC output.

Function Buttons
- ESC: return to default screen or exit setting mode
- Scroll button: next screen or next selection
- OK button: to enter the setting mode or to confirm the setting
- Power button: turns the inverter unit on or off

NOTE: Only when the inverter’s Power button is off

Status LED indicators
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- solid red
- flashing red

LCD Screen
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Exclusion for Documentation
Approved content is contained with the information will be entirely at the user’ risk; and (C) reminds you that if this manual is in any language other than English, although steps have been taken to maintain the accuracy of the translation, the accuracy cannot be guaranteed. Approved content is contained with the information provided in its manuals or other documentation; (B) assumes no responsibility or liability for losses, damages, costs or expenses, whether special, direct, indirect, consequential or incidental, which might arise out of the use of such information. The use of any such information is at your own risk.
**Viewing Information During Battery Mode**

Press scroll (A) to move to the next screen. Press [ESC] to return to the home screen.

1. **Battery Voltage**: 125V, AC load = 1.2kW
   - Battery voltage = 12.5V, AC load = 1.2kW
   - **Input Voltage**: 120V, Input Frequency = 60Hz
   - **Output Voltage**: 120V, Output Frequency = 60Hz

2. **Inverter Firmware Version**: U1 1.01
   - Inverter firmware version = U1 1.01

3. **Remote Panel Firmware Version**: U2 1.10
   - Remote panel firmware version = U2 1.10

4. **Alarm Buzzer**: Muted
   - The alarm buzzer is muted. For more information, see Freedom inverter’s Owner’s Guide.

- **Greyed Out Icons**: Greyed out icons also appear only in Freedom XC units.
- **Screen Appears Only When AC Qualification is Pending**: Screen appears only when AC qualification is pending.

**Viewing Information During Grid Mode**

Press scroll (A) to move to the next screen. Press [ESC] to return to the home screen.

1. **Battery Voltage**: 125V, Charging = No Charging
   - Battery voltage = 12.5V, Charging = No Charging
   - **Input Current**: 15.6A, Load Current = 6.8A
   - **Input Voltage**: 120V, Input Frequency = 60Hz

2. **Inverter Firmware Version**: U1 1.01
   - Inverter firmware version = U1 1.01

3. **Remote Panel Firmware Version**: U2 1.10
   - Remote panel firmware version = U2 1.10

**Adjusting Feature Settings**

1. Press and hold the [OK] button for three seconds to enter the feature settings mode.
2. Press the scroll (A) button to move through the different feature settings.
3. Press the [OK] button to select a setting number and change its value.
4. Press the scroll (A) button to change the value until you reach the desired value.
5. Press the [OK] button to confirm the change.
6. Repeat previous steps to set other feature settings.
7. Press [ESC] to exit the feature settings mode.

- **NOTE**: See the Freedom X / XC Owner’s Guide for information on the individual settings.
- **NOTE**: It may take a minute for the settings to take effect on the inverter unit.
Installing the Remote Panel Unit on the Wall

1. Place the template on the wall.
2. Mark the corners (or trace the dotted lines) of the recess outline on the wall.
3. Mark the two mounting holes for the two screws on the wall.
4. Remove the template from the wall.
5. Cut along the recess outline on the wall to make a hole for the remote panel’s body.
6. Pre-drill the mounting holes appropriate to the mounting screws (not provided) that will be used.
7. Connect the 6-conductor com cable to the RJ12 ports on the inverter and remote panel.
8. Mount the remote panel unit on the wall.

NOTE: Ensure the inside wall is free of obstructions, such as pipes, insulation, and electrical wiring. Ensure the recess depth is more than 50 mm.