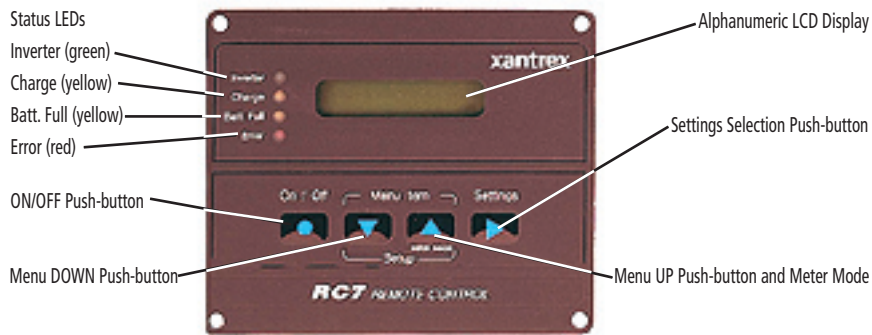


RC7/ RC7GS Remote Control

Operator's Guide

The RC7 and RC7GS are identical remote controls; however, the RC7GS has additional features for controlling a generator



ON/OFF Push-button

- ▶ The ON/OFF push-button switches the inverter ON or OFF when it is running from batteries, indicated by the green INVERTER LED. The push button does not affect the unit when it is running from utility AC or generator, indicated when the LED is flashing.
- ▶ On RC7GS models, this push-button also controls the generator. Refer to the Generator Start/Stop section in the manual. Press this button once to turn the generator ON or OFF in the event of an AC line failure.

Alphanumeric LCD Display

- ▶ The back lit alphanumeric LCD display is 16 x 2 lines (32 characters total) and used for setting up the system operation as well as viewing status or error messages. Scrolling through the display items is accomplished by using the push-buttons below the display.

Menu Item and Settings Push-buttons

- ▶ The four push buttons are used to control the inverter and enter system operating parameters including Battery Capacity, Battery Type, Charger Rate, Low Battery Cutout, Shore Power Amps, External Shunt, Fuelgauge Cutout, and Display Contrast. Press and hold both UP and DOWN push-buttons for approximately 5 seconds (or until the LED display changes) to enter the setup mode.
 - ▶ **Menu Item:** Press the UP and DOWN push-buttons to scroll through the menu items. To exit the Setup mode, press and hold both push-buttons for approximately 5 seconds until the LCD display changes back to the System Status display.
 - ▶ **Meter Mode:** Press and hold the Meter Mode push-button for approximately 5 seconds to access the various operating parameter meters such as output voltage, amperage temperature, etc.
 - ▶ **Settings:** The Settings push-button scrolls through the various menu items. Press this button while in the Setup mode to move through the menu items one at a time. If the desired item or setting is passed, continue pressing the Settings push-button until the item or setting reappears. This push-button is also used to enable and disable the equalize charge mode.

Xantrex Technology Inc.

Headquarters
8999 Nelson Way
Burnaby, British Columbia
Canada V5A 4B5
800 670 0707 Toll Free Customer Service
604 420 1591 Fax
customerservice@Xantrex.com

5916 195th Northeast
Arlington, Washington
USA 98223
800 446 6180 Toll Free Customer Service
360 925 5144 Fax
customerservice@Xantrex.com

System Status Messages

AC Source	Inverter Mode	Charger Mode	Error Mode
System Status: Waiting for AC	System Status: Searching	System Status: Bulk Charging	System Status: Otemp / Less Load
System Status: AC Available	System Status: Inverting	System Status: Absorption Chrg	System Status: Overload
		System Status: Float Charging	System Status: Hi Bat / Stop Chrg
		System Status: Equalizing	System Status: Lo Bat / Start Chrg
			System Status: DCLD Lockout Err
			System Status: Charger Fault

RC7GS only

Genset Status: Pending Genstart	Genset Status: Man Stop Only!!	Genset Status: Gen wont Start
Genset Status: Cranking Genset		Genset Status: Low AC Input V
Genset Status: Starter Cooldown		Genset Status: Gen Quiet Fault

System Status Display

Batt State of Charge: xx% Full	Batt State of Charge: E 0 0 0 0 0 0 0 0 F
Time Left to Run: x.x Hours	
Time Left to Charge: x.x Hours	
Set Shore Power: x.x Amps	
Gen Start / Stop: Press (ON / OFF)	

Meters Display

Avg Shunt Amps: + / - 0 Amps DC	Battery Temp: 000 Counts
Battery: 00.0 Volts DC	Xformer Temp: 000 Counts
Inv / Chg Current: + / - 0 Amps DC	FET Temp: 000 Counts
Inverter Output: VAC 0	Est. Bat. Cap: xx Amp-hrs (x 8)
AC Input: 0 Amps AC	

RC7/ RC7GS Remote Control

RC7/ RC7GS Set-up Menu

Press and hold both menu item keys for 5 seconds.

Search Sense: Default	Search Sense: About 5W load	Search Sense: ... 10 W load	Search Sense: ... 40 W load	Search Sense: > 40 W load
Auto LBCO OFF	Auto LBCO ON			
Bat Capacity: Auto	Bat Capacity: 125 A-hrs	Bat Capacity: 250 A-hrs	Bat Capacity: 375 A-hrs	Bat Capacity: 500 A-hrs
Battery Type: GEL Cell	Battery Type: Liquid Lead Acid	Battery Type: AGM		
Charge Rate 100% of max	Bat Capacity: 90%	Bat Capacity: 80%	Bat Capacity: 20%	Bat Capacity: 10%
Set Shore Power 30 Amps	Set Shore Power 25 Amps	Set Shore Power 20 Amps	Set Shore Power 15 Amps	Set Shore Power 10 Amps
RC7 Setup: Last Key	RC7 Setup: Power Saver	RC7 Setup: Rolling Display		
LCD Contrast: Max Contrast	LCD Contrast: 87%	LCD Contrast: 62%		LCD Contrast: Min Contrast
External Shunt: None	External Shunt: This Inverter	External Shunt: Other Inverter		
Fuelgauge Cutout: 9.5VDC=0%SOC	Fuelgauge Cutout: 10.3VDC=0%SOC		Fuelgauge Cutout: 11.7VDC=0%SOC	Fuelgauge Cutout: 11.8VDC=0%SOC
RC7GS only				
Generator Start: Manual (Push ON)	Generator Start: Auto at 40% SOC	Generator Start: Auto at 60% SOC	Generator Start: Auto at 11.0 VDC	Generator Start: Auto at 12.2 VDC
Generator Stop: Manual (Push OFF)	Generator Stop: Auto at 90% SOC	Generator Stop: Auto at 95% SOC	Generator Stop: Auto at 99% SOC	Generator Stop: Auto at Absorb
Begin Gen Quiet 00:00				
End Gen Quiet 00:00				
Select Genset: Onan QuietDiesel	Select Genset: PowerTech 2-Wire	Select Genset: PowerTech 3-Wire		Select Genset: Other 80
Set Clk: 0-23:59 00:00				

Note: The SETTINGS arrow moves across the columns - the UP and DOWN arrows scroll through the headings.

RC7/ RC7GS Remote Control

Operator's Guide

Status LEDs

- There are four LEDs that light (solid or flash) during operation, indicating the system's status. Upon initial power-up of the inverter, all LEDs will flash as the unit goes through a self-test. These LEDs, along with the LCD display, provide detailed inverter and charger system information.

Inverter LED

- The green Inverter LED indicates the inverter's status.

Inverter LED	Other LEDs or Devices	Meaning
ON (solid)		Inverter ON
Flashing	Charge LED (flashing)	Inverter ready (charging)
Slow Flash		Load Sense Searching
Flashing	Error LED ON + Buzzer	Inverter Error
OFF		Inverter Switched OFF

Charge LED

- The yellow Charge LED indicates the battery charger's status.

Charge LED	Other LEDs or Devices	Meaning
ON (solid)		Bulk Charging
Slow Flash		Absorption Charging
Fast Flash	Batt. Full LED ON	Float Charging
Very Fast Flash		Equalize Charging
OFF		Inverter Mode (no charging)

Batt. Full LED

- The yellow Batt. Full LED indicates the batteries' state of charge. The LED will not illuminate until the batteries have at least a 90% charge.

Batt. Full LED	Other LEDs or Devices	Meaning
Solid		Batteries Fully Charged (100%)
Flashing		Batteries Charged (90% or higher)
OFF		Batteries Below 90% Charge

Error LED

- The red Error LED indicates a problem with the inverter/charger or batteries. Check the LCD display to determine the nature of the problem.

Error	Other LEDs or Devices	Meaning
ON (solid)		Check System