



## TECH BULLETIN

TECH BULLETIN NUMBER	0153
PCR	07282008
DATE	07/28/08
SUBJECT	ME-RC50 Update to v2.5
MODELS AFFECTED	ME-RC50
REPAIR PROCEDURE	N/A
WARRANTY	Non-warranty item

Upgrade remote hardware and software to support new features and implement a better development platform.

Note: Hardware and software change. Board uses same display and case as current remote. New remote boards p/n 30-0014 are not compatible with software revisions prior to 2.5; likewise ME-RCs using old boards p/n 30-0004 are not compatible with any software revision 2.5 and above.

Was:	Is:	Implication:
V2.1	V2.5	
Feature added:	Screen refresh: Hold SELECT button down for 10 seconds to refresh display.	If screen lock you can refresh without cycling remote power

Feature added:	Power-up Self Test can be skipped. Pressing the SELECT button during the Power-up Self Test will take you instantly to the "home" screen.	You can quickly bypass self test during power up sequence
Feature added:	Allow 1600 to 2500 Amp hour settings to change the Absorption time in the inverter 1510 to 1700 = 270 minutes 1710 to 1900 = 300 minutes 1910 to 2100 = 330 minutes 2110 to 2300 = 360 minutes 2310 to 2500 = 390 minutes	Allows longer charging for larger battery banks. Previously settings above 1600 Amp hour went to 400 Amp hours
Feature added:	When Remote is in Power Save mode, pushing ON/OFF CHARGER or ON/OFF INVERTER buttons pulls remote out of Power Save mode without changing the status.	Button push will turn on LEDs without changing the state of the charger or inverter
Add Status:	Inverter Standby (Hex code 0x50) This display is shown as all loads shed on parallel slave inverters and they go into Standby Mode (off but active).	Used in parallel stack units with router to display correct status of a slave unit.
AGS status add:	02 AGS Status – Displays: "Lockout". If gen manually started or manually shut down before run time has expired.	Added per RVIA rules so the generator will not auto start if it is ever operated in manual mode in case a service tech doesn't know there is a AGS in the system.
AGS menu add:	Under 08 AGS TECH, add 'AGS Mode' RV (Allows Manual gen start lockout), or Other (Disables Manual Gen start lockout). (Default = RV) Change: This setting is saved in "FRAM" (Non-volatile memory)	
Added Export settings:	Double the VAC Dropout display when Export models detected. With Export Models: Display shows 'Dropout = 120 VAC' to 'Dropout = 200 VAC'. (Default setting = 160 VAC)	Allows VAC dropout to use export 230 VAC voltage range
AGS menu add:	'04 Start Temp F', add '95F' setting.	Temp start setting was limited to 90F now 5F higher

SETUP menu add:	'06 VAC Dropout', add 'Dropout= UPSmode'	Quicker transfer to inverter mode "105VAC"
SETUP menu change:	Changed from '08 Screen Contrast' to '08 Screen Setup' Contrast = 0% to 100% (Default: 100%) Contrast and brightness are not saved in "FRAM".	Added a screen setup menu where you can set contrast and LCD backlighting brightness if power is cycled both setting return to default.
SETUP menu add:	'08 Screen Setup', add 'Brightness= 0% to 100% (Default: 50%) Changes LCD backlight brightness.	
TECH menu add:	'05 Ext Control': VAC Dropout: INT or EXT Charge Rate: INT or EXT Shore Max: INT or EXT Tells user if the ME-RC is controlling settings to the Magnum Net, or by an external communication source.	Will display if any of the controls listed are being controlled by a external communication source other than the ME-RC.
TECH menu change:	'04 Load Defaults': Pressing the SELECT button now displays count down from 5.0 to 0.0 seconds, and then displays 'DEFAULTS LOADED'.	Better visual instructions while resetting defaults.
On power-up, LBCO auto ranges to 48V values if the model number is unknown.	On power-up, an 'Unknown Model' (under TECH: 03 Inv Models) will cause the LBCO displayed voltage to be based on voltage input. Note: Voltages below 16.0 are 12 volt; over 16.0 are 24 volt settings.	This feature adds the ability to read the voltage of the system and allow access to the proper LBCO setting range if the inverter model is unknown
Add Models:	MS4024PAE (hex code 0x6B) MS4448PAE (hex code 0x73).	Adds new inverters to lookup table
Manual: 64-0003 Rev B	New manual: 64-0003 Rev C	