

Programming Your Magnum Inverter with the ME-RC Remote (version 1) for use with Lithium Batteries

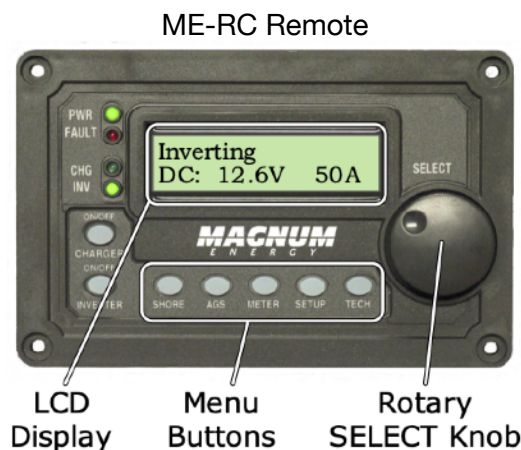
Press the Setup button to enter the following sections:

1. **Search Watts** - Off
2. **LowBattCutOut** - Adjust to 10.5
3. **Absorption Time** - Enter .5 hours
4. **Battery Type** - Adjust to Custom
 - Absorption - 14.4
 - Float - 13.5
 - Equalize - 14.4
5. **Charge Rate** - Leave at 80%
6. **VAC Dropout** - Leave at 80
7. **Power Saver** - Leave at 15 min
8. **Screen Setup** - Leave at defaults

Press the meter button to return to the default screen.

Battery Type	Inverter Voltage	Absorption Voltage	Float Voltage	Equalization Voltage
GEL	12 VDC	14.1 VDC	13.6 VDC	14.1 VDC ¹
	24 VDC	28.2 VDC	27.2 VDC	28.2 VDC ¹
	48 VDC	56.4 VDC	54.4 VDC	56.4 VDC ¹
Flooded	12 VDC	14.6 VDC	13.4 VDC	15.5 VDC
	24 VDC	29.2 VDC	26.8 VDC	31.0 VDC
	48 VDC	58.4 VDC	53.6 VDC	62.0 VDC
AGM 1 ²	12 VDC	14.3 VDC	13.1 VDC	15.5 VDC
	24 VDC	28.6 VDC	26.2 VDC	31.0 VDC
	48 VDC	57.2 VDC	52.4 VDC	62.0 VDC
AGM 2 ³	12 VDC	14.5 VDC	13.5 VDC	14.5 VDC ¹
	24 VDC	29.0 VDC	27.0 VDC	29.0 VDC ¹
	48 VDC	58.0 VDC	54.0 VDC	58.0 VDC ¹
Custom ⁴	12 VDC	12.0-16.0 VDC	12.0-16.0 VDC	15.5 VDC
	24 VDC	24.0-32.0 VDC	24.0-32.0 VDC	31.0 VDC
	48 VDC	48.0-64.0 VDC	48.0-64.0 VDC	62.0 VDC

Shore button: When pressed, you can adjust the incoming current limit. Be sure to set this to 15A or lower if you are connecting at home.



How to re-bulk and fully charge when on shore:

A popular way to force an inverter/charger to charge lithium batteries is by manually equalizing. Set the equalization voltage to the same value as the absorption voltage for the batteries to be topped off.

Equalization needs to be turned on, then turned off manually. Once you start equalization by holding down the charger on/off button for 5 seconds, you need to stop equalization when the batteries are fully charged. If not turned off, the batteries will be held at the high absorption voltage for too long, which may be damaging.

