

Inverter Compatibility Sheet for the ME-ARC with Revision 3.0/3.01

The ME-ARC has many advanced settings, and is designed to work with the advanced features in your Magnum inverter and/or other Magnum devices (i.e., ME-AGS-N or ME-BMK). The ME-ARC communicates with your inverter to allow these advanced features to be set up or enabled. However, when the ME-ARC is released with a new software revision, some of the features and functionality in this remote may not be available in an inverter or networked accessory that has an earlier software level. In this case, when the advanced setting is requested from the ME-ARC to your inverter (or any other Magnum device networked with the inverter), this setting is not recognized and will not function. Use the steps below to help you determine which ME-ARC (Revision 3.0/3.01) menus/features are compatible with your inverter.

1. Go to: <http://magnumenergy.com/inverter-compatibility/> to determine your inverter's compatibility level (L1, L2, L3 or L4).
2. Use the table below to determine which ME-ARC 'Features/Settings' you want to use and what inverter compatibility level is required (see 'Inverter Model/Level Required').
3. If your inverter compatibility level is the same or greater than the 'Inverter Model/Level Required', then your inverter can support the device setting/feature you want.
4. If your inverter does not have the required compatibility level for a feature/setting you want, contact Magnum Energy to determine if there is a software upgrade option for your inverter.

ME-ARC (REVISION 3.0/3.01) COMPATIBILITY MATRIX						
Button	FEATURES/SETTINGS			Inverter Model/Level Required	Default setting	User setting
	Main Menu	Menu Heading/Item	Selections/Adjustments Range			
CTRL	01 ACIn Control		Auto Connect	≥Level 1	Auto Connect	
			VDC Connect, Time Connect, AC-In Disabled	≥Level 3 [1]		
			SOC Connect [F]	≥Level 3 [1][7]		
	02 CHG Control [5]		Multi-Stage, Force Float, Restart Bulk	≥Level 4	Multi-Stage	
03 Gen Control		OFF, ON, AUTO	≥Level 1 [8]	OFF**		
METER	01 DC Meters	01A DC Volts	Read only display	≥Level 1	Read Only	
		01B DC Amps	Read only display	≥Level 1	Read Only	
		01C Charge Time	Read only display	≥Level 1	Read Only	
	02 AC Meters [5]	02A Output Volts	Read only display	≥Level 4 [3]	Read Only	
		02B Output Hz	Read only display	≥Level 4	Read Only	
		02C Load Amps	Read only display	≥Level 4 [4]	Read Only	
		02D Input Amps	Read only display	≥Level 4 [4]	Read Only	
		02E Inv/Chg Amps	Read only display	≥Level 4 [4]	Read Only	
		02F Input AC (AC1) [F]	Read only display	MSH Models only	Read Only	
	03 AGS Meters	02G Input AC2 [F]	Read only display	MSH-RE Models	Read Only	
		03A AGS Status	Read only display	≥Level 1	Read Only	
		03B DC Volts-AGS	Read only display	≥Level 1	Read Only	
		03C Gen Run Time	Read only display	≥Level 1	Read Only	
		03D AGS Temp	Read only display	≥Level 1	Read Only	
	04 BMK Meters	03E Since GenRun	Read only display	≥Level 1	Read Only	
		04A BMK Status	Read only display	≥Level 1 [7]	Read Only	
		04B SOC	Read only display	≥Level 1 [7]	Read Only	
		04C DC Volts-BMK	Read only display	≥Level 1 [7]	Read Only	
		04D DC Amps-BMK	Read only display	≥Level 1 [7]	Read Only	
		04E AH In/Out	Read only display	≥Level 1 [7]	Read Only	
04F Reset AH Out		Read only display	≥Level 1 [7]	Read Only		
04G Total AH Out		Read only display	≥Level 1 [7]	Read Only		
SETUP	01 Remote Setup	04H Minimum VDC	Read only display	≥Level 1 [7]	Read Only	
		04I Maximum VDC	Read only display	≥Level 1 [7]	Read Only	
		01A Set Clock	Time= 12:00A-12:00P	≥Level 1	12:00A**	
		01B Contrast	0-100%	≥Level 1	100%**	
		01C Backlight	0-100%	≥Level 1	50%**	
	02 Invert Setup	01D Power Save	OFF, 1-60 Minutes	≥Level 1	15 Minute	
		01E Temp Display	Fahrenheit, Celsius	≥Level 1	Fahrenheit	
		02A Search Watts	OFF, 5-50 watts (1 watt increments)	≥Level 1	5 Watts	
		02B LBCO Setting	9.0-12.2* VDC	≥Level 2	10.0 VDC	
		02C AC In - Time	Connect Time= 12:00A-12:00P	≥Level 3 [1]	6:00A	
			Disconnect Time= 12:00A-12:00P		6:00P	
		02D AC In - VDC	Connect Volts= 9.0-15.9* (12V)	≥Level 3 [1]	11.0	
Disconnect Volts= 9.0-15.9* (12V)	14.1					
02E AC In - SOC [F]	Connect SOC= 20-98%	≥Level 3 [7]	50%			
	Disconnect SOC= 21-100%		100%			
02F Power Up Always [F]	ON, OFF	≥Level 1	Always OFF			

SETUP	03 Charger Setup	03A AC Input Amps	AC/AC1 Input= 5-60A	≥Level 1 [1]	30A		
			AC2 Input= 5-60A [F]	MSH-RE Models	20A		
		03B Battery Type	Gel, Flooded, AGM, AGM2	≥Level 1	Flooded:		
			Custom	Absorb (12.0-16.0)	≥Level 3 [2]	14.6	
				Float (12.0-16.0)		13.4	
		EQ (12.0-16.0)	15.5				
		03C Max Charge Rate	10-100%	≥Level 2	100%		
			0-100%	≥Level 3			
	03D VAC Dropout	AC/AC1 Input= 60-100 VAC, UPS Mode	US Models	80 VAC			
		AC2 Input= 60-100 VAC	MSH-RE Models	75 VAC			
		110-190 VAC, UPS Mode	Export Models	150 VAC			
	03E Absorb Done	Time= 0.1-25.5 Hrs	≥Level 4 [5]	2.0 Hrs			
		Amps= 0-150 ADC	≥Level 4 [6]				
		SOC= 50-100%	≥Level 4 [6][7]				
	03F Max Charge Time	0.0-25.5 hours	≥Level 4 [6]	12.0 Hrs			
	03G Final Charge Stage	Multi, Float, Silent	≥Level 4 [6]	Multi			
	04 AGS Setup	04A Gen Run VDC	Start Gen Volts= 9.0-15.9*	≥Level 1	11.5		
			Start Volts Delay= 0-127 sec, 1-127 min		120 Sec		
			Stop Gen Volts= 9.1-16.0*, Float		14.4		
			Stop Volts Delay= 0-127 sec, 1-127 min		120 Sec		
04B Gen Run Time		OFF, ON= Start Gen Time= 12:00A-12:00P	≥Level 1	OFF			
		Stop Gen Time= 12:00A-12:00P					
04C Gen Run Amps		Start Gen AC Amps= OFF, 5-60A	≥Level 4	OFF			
		Start Amps Delay= 0-127 sec, 1-127 min					
		Stop Amps Delay= 0-127 sec, 1-127 min					
04D Gen Run SOC		OFF, Start Gen SOC= 20-90%	≥Level 1 [7]	OFF			
		Stop Gen SOC= 21-100%					
04E Gen Run Temp		Start= OFF, Ext Input, 65-95F (18-35C)	≥Level 1	OFF			
	Time= 0.5-6.0 Hrs						
04F Max Gen Run Time	OFF, 0.1-25.5 Hrs	≥Level 1	12.0 Hrs				
04G Quiet Time	OFF, ON= Start Quiet Time= 12:00A-12:00P	≥Level 1	OFF				
	Stop Quiet Time= 12:00A-12:00P						
	Quiet Time Topoff= OFF, 30-120Min						
04H Gen Exercise	Days= OFF, 1-255 days	≥Level 1	OFF				
	Run Hour/Min/AM-PM= 12:00A-12:00P						
	Run Time= 0.0-25.5 hours						
04I Gen Warm-up Time	0-127 sec, 1-127 min	≥Level 1	60 Sec				
04J Gen Cooldown Time	0-127 sec, 1-127 min	≥Level 1	60 Sec				
05 BMK Setup	05A Charge Eff	Auto, 50-97%	≥Level 1 [7]	Auto			
	05B AmpHour Size	200-2500 AH	≥Level 1 [7]	400 AH			

* 12-volt values shown; for 24-volts systems - multiply by 2 and for 48-volt systems - multiply by 4.

** These settings return to the factory default setting when power to the remote is removed.

[F] Features added to Rev 3.0/3.01. Also added: Recording AGS fault history, clearing inverter/AGS faults, and displaying Load Support statuses.

ME-ARC (Rev 3.0/3.01) Compatibility Matrix Notes:

[1] Will not work with MM/MM-E/MM-AE/MMS/MMS-E models.

[2] AC Couple Mode activates when Battery Type = Custom with MS-PAE Series ≥Rev 4.1 or MS/MS-PE series ≥5.0.

[3] The AC output volts are accurate only when used with MS, MS-PE, MS-PAE or MSH Series inverters.

[4] The AC amps displays are not shown unless connected to MS-PE, MS-PAE or MSH Series inverters.

[5] Level 2 and 3 inverters can be used, but:

Level 2 inverters are limited from 1.0 hour to 4.5 hours,

Level 3 inverters <Rev 4.1 are limited from 1.0 hour to 6.5 hours,

Level 3 inverters ≥Rev. 4.1 (and MMS Rev 1.5) are limited from 1.5 hours to 6.5 hours;

Any setting outside these limited ranges is not recognized and reverts to the inverter's default absorption time (2.0 hours).

[6] Requires ≥Level 4 to display.

[7] SOC features require the ME-BMK (Battery Monitor Kit) to be installed.

[8] To manually turn the generator "ON" with the remote, ME-AGS-N rev 5.0 or higher is required.