

Compatibility Sheet for the ME-ARC with Revision 2.3 or 2.4

The Advanced Remote Control (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, your inverter may not have the advanced feature requested by the ME-ARC. In this case, the advanced setting request from the ME-ARC to your inverter (or any other Magnum device networked with the inverter) is not recognized and will not function. This compatibility sheet allows you to determine which ME-ARC (Revision 2.3 or Rev 2.4) menus/features are compatible with your inverter.

Determine your inverter's compatibility level (L1, L2, L3 or L4), then use the ME-ARC COMPATIBILITY MATRIX on page two to determine which setting/feature in your ME-ARC (with Revision 2.3 or 2.4) is compatible with your Magnum inverter and other networked Magnum device.

Notes:

1. If your inverter's compatibility level is the same or greater than the inverter compatibility LEVEL REQUIRED, then your inverter can support the device setting/feature you want.
2. If your inverter or its software revision is not listed, or to find updated inverter compatibility level tables, go to: www.magnumenergy.com/Service/Compatibility.htm.
- 3.

Steps to determine the inverter's compatibility level:

1. Obtain your inverter's software revision.
Note: Push the TECH button on your remote and access the Revisions menu to view the inverter's software revision level.
2. Use the INVERTER COMPATIBILITY LEVEL table to determine the inverter's compatibility level based on your inverter's software revision.

INVERTER COMPATIBILITY LEVEL =

INVERTER COMPATIBILITY LEVEL				
Inv / Chg Models	Level 1 (L1)	Level 2 (L2)	Level 3 (L3)	Level 4 (L4)
RD1824	≥ Rev 2.6	≥ Rev 3.4	NA	≥ Rev 5.4
RD2212		≥ Rev 3.6	NA	≥ Rev 5.4
RD2624E			≥ Rev 4.1	≥ Rev 5.4
RD2824	≥ Rev 2.6	≥ Rev 3.4	NA	≥ Rev 5.4
RD3924	≥ Rev 2.6	≥ Rev 3.4	NA	≥ Rev 5.4
RD4024E			≥ Rev 4.1	≥ Rev 5.4
ME2000	≥ Rev 2.6	≥ Rev 3.6	≥ Rev 4.2	NA
ME2012	≥ Rev 2.6	≥ Rev 3.6	≥ Rev 4.2	NA
ME2512	≥ Rev 2.6	≥ Rev 3.6	NA	NA
ME3112	≥ Rev 2.6	≥ Rev 3.6	NA	NA
MM612		≥ Rev 1.0	NA	NA
MM612AE		≥ Rev 1.0	NA	NA
MM1012E		≥ Rev 1.1	≥ Rev 1.4	NA
MM1212		≥ Rev 1.0	≥ Rev 1.4	NA
MM1212AE		≥ Rev 1.0	≥ Rev 1.4	NA
MM1324E		≥ Rev 1.2	≥ Rev 1.4	NA
MM1512AE		≥ Rev 1.3	≥ Rev 1.4	NA
MM1524AE		≥ Rev 1.1	≥ Rev 1.4	NA
MMS912E			≥ Rev 1.5	NA
MMS1012(G)		≥ Rev 1.0	≥ Rev 1.4	NA
MS1512E				≥ Rev 5.2
MS2000		≥ Rev 3.2	≥ Rev 3.7	≥ Rev 5.4
MS2012		≥ Rev 3.2	≥ Rev 3.7	≥ Rev 5.4
MS2024			≥ Rev 3.8	≥ Rev 5.0
MS2812		≥ Rev 3.2	≥ Rev 3.7	≥ Rev 5.4
MS2712E			≥ Rev 3.8	NA
MS3748AEJ			≥ Rev 3.8	NA
MS4024		≥ Rev 3.3	≥ Rev 3.7	≥ Rev 5.4
MS4024AE		≥ Rev 3.3	≥ Rev 3.7	NA
MS4024PAE				≥ Rev 4.0
MS4124E			≥ Rev 3.8	≥ Rev 5.3
MS4348PE				≥ Rev 5.5
MS4448AE		≥ Rev 3.3	≥ Rev 3.7	NA
MS4448PAE				≥ Rev 4.1

Inverter Software Revision

Steps to determine if your inverter can support your device feature as displayed in the ME-ARC remote menu:

Using the ME-ARC COMPATIBILITY MATRIX table:

- 1) Use the DEVICE column to find your device (i.e., Inverter/Charger, ME-AGS-N or ME-BMK).
- 2) Use the FEATURES/SETTINGS column to find the feature or setting you want on your device.
- 3) Use the LEVEL REQUIRED column to determine the minimum inverter compatibility level required to support your device's feature.

ME-ARC COMPATIBILITY MATRIX (with Revision 2.3 or 2.4)							
DEVICE	FEATURES/SETTINGS				LEVEL REQUIRED	Compatible with your inverter?	
	Button	Remote Menus		Remote Menu Selections / Adjustments			
INVERTER / CHARGER	CTRL	01	AC In Control	Auto Connect (with AC present)	≥ Level 1		
				VDC Connect	≥ Level 3 [1]		
	02	CHG Control (requires ≥ Level 4 to display)	Time Connect	≥ Level 3 [1]			
			AC In - Disabled	≥ Level 3 [1]			
	METER		01A DC Volts - Inverter	Read only display	≥ Level 1		
			01B DC Amps - Inverter	Read only display	≥ Level 1		
			01C Charge Time	Read only display	≥ Level 1		
			02A AC Output Volts (requires ≥ Level 4 to display)	Read only display	≥ Level 4		
			02B AC Output Hz (requires ≥ Level 4 to display)	Read only display	≥ Level 4		
			02C AC Load Amps (requires ≥ Level 4 to display)	Read only display	≥ Level 4 [1][3]		
			02D AC Input Amps (requires ≥ Level 4 to display)	Read only display	≥ Level 4 [1][3]		
			02E AC Inv/Chg Amps (requires ≥ Level 4 to display)	Read only display	≥ Level 4 [1][3]		
	SETUP		02A Search Watts	OFF, 5 - 50 watts (1 watt increments)	≥ Level 1		
			02B LBCO Setting	9.0 - 12.2, 18.0 - 24.4, 32.0 - 48.8 VDC	≥ Level 2		
			02C AC In - Time	Connect/Disconnect (12:00A - 12:00P)	≥ Level 3 [1]		
			02D AC In - VDC	Connect/Disconnect (9 - 16, 18 - 32, 36 - 64 VDC)	≥ Level 3 [1]		
			03A	AC Input Amps	5 - 60 amps (1 amp increments)	≥ Level 1 [1]	
					Gel, Flooded, AGM, AGM2	≥ Level 1	
			03B	Battery Type	added: Custom (adj. Absorb, Float & EQ)	≥ Level 3	
					added: Custom (+ AC couple mode)	≥ Level 4 [2]	
03C			Max Charge Rate	0 - 100%	≥ Level 3		
03D			VAC Dropout	60 - 100 VAC, UPSmode, Export values	≥ Level 2		
				Absorb Done Time	0.1 - 25.5 hours	≥ Level 4 [4]	
03E			Absorb Done Amps (requires ≥ Level 4 to display)	0 - 150 amps	≥ Level 4		
	Absorb Done SOC* (requires ≥ Level 4 to display)	50 - 100%		≥ Level 4			
03F	Max Charge Time (requires ≥ Level 4 to display)	0.0 - 25.5 hours	≥ Level 4				
03G	Final Charge Stage (requires ≥ Level 4 to display)	Multi (Float & Full Charge)	≥ Level 1				
		Floater, Silent	≥ Level 4				
ME-AGS-N (≥ Revision 5.0)	CTRL	03	Gen Control	AUTO	≥ Level 1		
	METER		03A	AGS Status	Read only display	≥ Level 1	
			03B	DC Volts - AGS	Read only display	≥ Level 1	
			03C	Gen Run Time	Read only display	≥ Level 1	
			03D	AGS Temperature	Read only display	≥ Level 1	
			03E	Days Since Gen Run	Read only display	≥ Level 1	
	SETUP		04A	Gen Run VDC (Start VDC, Stop VDC/Float)	OFF, ON = 9.0 - 16.0, 18.0 - 32.0, 36.0 - 64.0 VDC	≥ Level 1	
			04B	Gen Run Time	OFF, ON = Start/Stop Time (12:00AM - 12:00PM)	≥ Level 1	
			04C	Gen Run Amps	OFF, ON = Start/Stop AC amps (5A - 60A)	≥ Level 4	
			04D	Gen Run SOC*	OFF, ON = Start/Stop SOC% (20% - 100%)	≥ Level 1	
			04E	Gen Run Temp (Start on Temp/Ext Input)	OFF, Start Temp (65 - 95F), Stop Time (0.5 - 6.0 Hrs)	≥ Level 1	
			04F	Max Gen Run Time	OFF, ON = 0.1 - 25.5 Hrs	≥ Level 1	
			04G	Quiet Time (ON allows Quiet Time Topoff) - Quiet Time Topoff	OFF, ON = Start/Stop Time (12:00AM - 12:00PM)	≥ Level 1	
					OFF, ON = 30, 60, 90, 120 min	≥ Level 1	
04H			Gen Exercise	OFF, ON = Start 0 - 255 days, with Start/Run Time	≥ Level 1		
04I	Gen Warm-up Time	0 - 127 sec, 1 - 127 min	≥ Level 1				
04J	Gen Cooldown Time	0 - 127 sec, 1 - 127 min	≥ Level 1				
ME-BMK (≥ Revision 1.0)	METER		04A	BMK Status	Read only display	≥ Level 1	
			04B	Battery SOC	Read only display	≥ Level 1	
			04C	DC Volts - BMK	Read only display	≥ Level 1	
			04D	DC Amps - BMK	Read only display	≥ Level 1	
			04E	AH In/Out	Read only display	≥ Level 1	
			04F	Resettable Amp/Hrs	Read only display (resettable)	≥ Level 1	
			04G	Total Amp/Hrs Out	Read only display	≥ Level 1	
			04H	Minimum VDC	Read only display (resettable)	≥ Level 1	
			04I	Maximum VDC	Read only display (resettable)	≥ Level 1	
			SETUP		05A	Charge Efficiency	Auto, 50 - 97%
05B	Amp-Hour Size	200 - 2500AH (not linked with absorb time)			≥ Level 1		

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

ME-ARC Compatibility Matrix Notes:

- [1] Not available on MM/MM-E/MM-AE/MMS/MMS-E models.
- [2] Only available on MS-PAE Series ≥ Revision 4.1; or MS/MS-E/MS-PE models ≥ Rev 5.0.
- [3] The AC Amps meter displays are only accurate when used with MS-PAE Series inverters.
- [4] 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, and level 3 inverters with ≥ Rev 4.1 (and MMS Rev 1.5) are limited from 1.5 hour 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).