

# User Manual CS-88M, CS-44M 8x8 and 4x4 4K HDMI Matrix

The CS-88M and CS-44M supports up to 18Gbps 4K60, 4:4:4, HDR, Dolby Vision

The CS-88M and CS-44M are true 18Gbps 4K60 (4:4:4) 8x8 HDMI matrix switches. Supporting HDMI 2.0(a/b), HDCP 2.2, up to 4K video resolution, and up to 18 Gbps bandwidth. The CS-88M supports 8 HDMI sources (Blu-ray, UHD Blu-ray, satellite receiver, game consoles, PCs, etc. ...) and 8 separate displays, while the CS-44M supports 4 HDMI sources and 4 HDMI displays. Allowing you to view any of the connected sources on any of the connected displays at any one time.

Features:

- HDMI 2.0 (a/b)
- 4K60 4:4:4 Support
- Full HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.2 (up-to)
- Web GUI Interface
- Advanced EDID Management
- IR, RS-232 and LAN Control Options
- Audio De-Embedding via SPIDF & 3.5mm jack
- Install in seconds

- Powerful EDID management
- Front Panel Control
- IR Remote
- IR & RS-232 Control
- LAN Control
- Driver Support for Crestron, C4, Etc.

In The Box:

- CS-88M or CS-44M HDMI Matrix
- IR Remote Control
- 12V/4A Locking Power Supply

# Front Panel Control

### Switching

The CS-88M and CS-44M can be switched from the front panel by selecting the OUTPUT button first and then selecting the INPUT button:

- 1. Press the OUTPUT button (1 through 8) on the bottom row that corresponds with the OUTPUT (Display, or Sink Device) you would like to send to a source.
- 2. Once pressed, the switch will illuminate the OUTPUT button that you have selected, along with the INPUT row, indicating that it is ready for you to select the INPUT.
- 3. Select the desired INPUT.



### EDID

The CS-88M and CS-44M has the ability to control the EDID that the source devices sees as a display

- 1. Press and hold the INPUT button of the source you want to set EDID for 3 seconds
- 2. Use the selected INPUT button as UP and the corresponding OUTPUT button as DOWN to select the desired EDID setting
- 3. To set the selected EDID setting press and hold for 3 seconds the original INPUT button





### **Toggle DHCP**

The CS-88M and CS-44M comes from the factory with DHCP turned off. To enable DHCP from the front panel:

1. Press and hold INPUT 1 and INPUT 4 together for 3 seconds





### **View Network Settings**

1. Press and hold INPUT 3 and INPUT4 together for 3 seconds

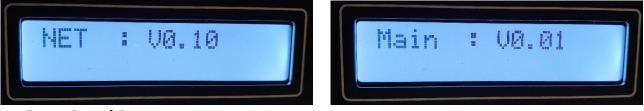
The CS-88M and CS-44M will cycle through the following information: Device IP, Host IP, Subnet Mask, and MAC Address.



### **View Firmware Version**

To view the current firmware on the CS-88M or the CS-44M:

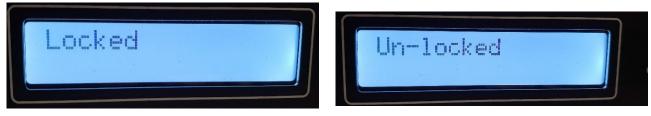
1. Press and hold INPUT 2 and INPUT 4 together for 3 seconds



### **Locking Front Panel Buttons**

You have the ability to lock the front panel buttons so any accidental button presses can be ignored.

1. Press and hold INPUT 2 and INPUT 3 together for 3 seconds



## Web Interface

In order to access the Web Interface use a web browser (e.g. Internet Explorer, Chrome, Edge, Safari, etc.) and go to the IP address of the Matrix.

#### Switching

Live Switch	Link Info		R tting	Vide Settir		Audio Setting		Audio Matrix		DID nage	Syste Settir
	Ca <b>Home</b>										
					Live Sv	/itch				-	
	OUT1	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	OUT2	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	OUT3	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	OUT4	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	OU T5	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	OUT6	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	ουπ	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	OUT8	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		
	ALL	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8		

Use the following page to switch between inputs and outputs from the web interface live.

#### **IR Setting**

Live Switch	Link Info	Set	R tting	Video Settin		Audio Setting		Audio Matrix	ED Man	Syster Settin
	a <b>Home</b> urer of Premiu									
-					IR Sw	itch				
	OUT1	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	OUT2	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	OUT3	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	OUT4	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	OUT5	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	OUT6	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	0017	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	OUT8	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
	ALL	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	
				C	S-88MF	IDBTS				

The IR switching allows you to route the IR signals on the IR outputs manually if you need to have a fixed route.

Note: By default the IR OUT is automatically routed with the active source.

### **Video Setting**

ŀ	IDMI Vide	o Scaler Mod	le F	IDMI Output	Signal Generato	r ł	IDBT Vide	eo Scaler Mod	e I	IDBT Output	Signal Generat
OUT1	HD-4K	BYPASS	OUT1	ON	OFF	OUT1	4K-HD	MLC MODE	OUT1	ON	OFF
OUT2	HD-4K	BYPASS	OUT2	ON	OFF	OUT2	4K-HD	MLC MODE	OUT2	ON	OFF
OUT3	HD-4K	BYPASS	OUT3	ON	OFF	OUT3	4K-HD	MLC MODE	оитз	ON	OFF
OUT4	HD-4K	BYPASS	OUT4	ON	OFF	OUT4	4K-HD	MLC MODE	OUT4	ON	OFF
OUT5	HD-4K	BYPASS	OUT5	ON	OFF	OUT5	4K-HD	MLC MODE	OUT5	ON	OFF
OUT6	HD-4K	BYPASS	OUT6	ON	OFF	OUT6	4K-HD	MLC MODE	OUT6	ON	OFF
ουπ	HD-4K	BYPASS	ουπ	ON	OFF	ουπ	4K-HD	MLC MODE	ουττ	ON	OFF
OUT8	HD-4K	BYPASS	OUT8	ON	OFF	OUT8	4K-HD	MLC MODE	OUT8	ON	OFF

On this screen you can modify the video signal that is being output by the matrix.

- either upscale, downscale or bypass the scaling feature
- Enable to disable the Output Signal Generator
  - NOTE: The HDMI and HDbT outputs can be tested independent from each other.

The CS-88MHDBTS and CS-44MHDBTS have the ability to extract audio out to either SPDIF or a Stereo 3.5. It also has the ability to give matrix control over where the audio is output.

#### **Audio Settings**

Live Switch	Link Info		IR Setti			Video ietting		Aud Setti		Audio Matri		EDID Manage	System Setting
	a <b>Hom</b> urer of Prem												
-			1	Ex-Aud	io Out	put Del	ay(MS)	)		A	udio S	tatus	
	OUT1	90	180	270	360	450	540	630	Вр	OUT1	ON	OFF	
	OUT2	90	180	270	360	450	540	630	Вр	OUT2	ON	OFF	
	OUT3	90	180	270	360	450	540	630	Вр	OUT3	ON	OFF	
	OUT4	90	180	270	360	450	540	630	Вр	OUT4	ON	OFF	
	OUT5	90	180	270	360	450	540	630	Вр	OUT5	ON	OFF	
	OUT6	90	180	270	360	450	540	630	Вр	OUT6	ON	OFF	
	00177	90	180	270	360	450	540	630	Вр	OUT7	ON	OFF	
	OUT8	90	180	270	360	450	540	630	Вр	OUT8	ON	OFF	
												NOTE: Bp - Bypass;	
						CS-	88MHE V1.00						

Here you can turn on or off the extracted audio for the SPDIF digital Coax or 3.5 Stereo ports.

#### Audio Matrix and EX-Audio Matrix Mode

Live Switch	Link Info		IR Setting		Video Setting		Audic Settin		Audio Matrix	EDID Manage	System Setting
	ra <b>Hom</b> cturer of Pren										
				Audio	Matrix				Ex-Audio	Matrix Mode	
0	UT1 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	Bind	To Output	
0	UT2 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	Bind	To Input	
0	UT3 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	,	Matrix	
0	UT4 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8			
0	UT5 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8			
0	UT6 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8			
0	UT7 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8			
0	UT8 IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8			
1	ALL IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8			
-					CS-	-88MHD	BTS				

Here you can set the route of the audio in a matrix fashion for the extracted audio connections and bind the audio to follow either the INPUT, OUTPUT, or set it to be Matrixed.

- Audio Delay This allows you to change the audio delay to combat lip-sync issues on the extracted audio. Each audio output can be delayed independently of the others.
- Bind to Input The extracted audio binds to its corresponding input. E.g. Audio out 3 will always output audio from INPUT 3.
- Bind to Output The extracted audio binds to its corresponding output. E.g. Audio Out 3 will always output audio from whichever input is selected for OUTPUT 3.
- Matrix The extracted audio can be set manually to specific Audio Outs. E.g. Audio Out 3 will always play audio from INPUT 4 regardless of what INPUT is selected for OUTPUT 3.

#### Video Audio Audio Matrix EDID Metra HomeTheater.com EDID Manage IN2 1080P 2CH IN1 1080P 3 Apply ✓ Apply IN3 1080P 2CH ✓ Apply IN4 1080P 2CH ✓ Apply IN5 1080P 2CH IN6 1080P 2CH ✓ Apply ✓ Apply IN7 1080P 2CH IN8 1080P 2CH ✓ Apply ✓ Apply CS-88MHDBTS V1.00

#### **EDID Manage**

Here you can set or control the EDID for the individual inputs.

#### System Settings

Live Switch	Link Info	IR Setting	Video Setting	Audio Setting	Audio Matrix	EDID Manage	Sys Set
Met	tra <b>Home</b>	Theater.c	nom				
		n Home Theater Pi					
		IP Setting		OUT	Port Alias	IN1 IN1	
	MAC Addres	s 00:08:0	IC:01:02:03	OUT		IN1 IN1 IN2 IN2	
	Host IP Addre	SS 192.1	68.0.239	TUO	-	IN2 IN2 IN3 IN3	
				TUO	4 OUT4	IN4 IN4	
	Subnet Masl	¢ 255.2	255.255.0	OUT	5 OUT5	IN5 IN5	
F	Router IP Addr	ess 192	.168.0.1	TUO	6 OUT6	IN6 IN6	1
				TUO	7 OUT7	IN7 IN7	1
	TCP Port		23	OUT	8 OUT8	IN8 IN8	
	DHCP Sta	atic IP	Apply		Apply		
	1.07	1.65					
			CS-88				

IP Settings – Here you can set the network configurations. E.g. set the static IP address, change the TCP port, or find the MAC address.

Port Alias Setting – Here you can give the individual inputs or outputs an Alias, or a name. E.g. if INPUT 1 is a cable box, you can name it "Cable", or if OUTPUT 3 is the Master Bedroom TV, you can name it "Master Bed"

## EDID Management

The CS-88M and CS-44M matrices have 29 pre-configured EDID settings. They also have 3 user defined EDID memories. NOTE: In order to maximize compatibility, by default the matrix is set to a 1080p EDID. When using 4K sources, you will want to define a 4K EDID on that input (or read from the display).

To Change the EDID setting with the face buttons:

- 1. Press and hold the INPUT you want to change for 3 seconds
- 2. Now "press" the desired INPUT/OUTPUT (Example: Setting EDID for INPUT3, use IN 3 & OUT 3) to toggle through the available EDID options
- 3. Once you are on the EDID you want to select, press and hold the INPUT button again for 3 seconds. The LCD Screen will say "Please Wait", then "OK" once the EDID is set.

To change the EDID setting with the Web Interface, login to the Matrix through a web browser using the IP address and then select EDID. From there you can select the desired/required EDID for each input individually.

These are the pre-configured EDID settings that are available to toggle through:

0:1080P 2CH(PCM) 1:1080P 6CH 2:1080P 8CH 3:1080P 3D 2CH(PCM) 4:1080P 3D 6CH 5: 1080P\_3D\_8CH 6: 4K30Hz 3D 2CH(PCM) 7:4K30HZ\_3D\_6CH 8: 4K30HZ\_3D\_8CH 9: 4K60Hz(Y420) 3D 2CH(PCM) 10: 4K60Hz(Y420)\_3D\_6CH 11: 4K60Hz(Y420) 3D 8CH 12: 4K60HZ 3D 2CH 13: 4K60HZ 3D 6CH 14: 4K60HZ 3D 8CH 15: 1080P\_2CH(PCM)\_HDR 16: 1080P 6CH HDR

17: 1080P 8CH HDR 18: 1080P 3D 2CH(PCM) HDR 19:1080P 3D 6CH HDR 20: 1080P 3D 8CH HDR 21: 4K30Hz 3D 2CH(PCM) HDR 22: 4K30Hz 3D 6CH HDR 23: 4K30Hz 3D 8CH HDR 24: 4K60Hz(Y420)\_3D\_2CH(PCM)\_HDR 25: 4K60Hz(Y420)\_3D\_6CH\_HDR 26: 4K60Hz(Y420) 3D 8CH HDR 27: 4K60Hz 3D 2CH(PCM) HDR 28: 4K60Hz 3D 6CH HDR 29: 4K60Hz 3D 8CH HDR 30: USER EDID 1 31: USER EDID 2 32: USER\_EDID\_3

The first 30 EDID settings cannot be changed. The three USER EDID settings are programmed using RS-232 or the web interface. However, you can read an EDID from any output and it will automatically store in USER EDID 1. Remember, each INPUT has an independent EDID setting and you may need to program each one. To read and set an EDID to a specified input the steps are the same as switching the EDID normally, except when you see the following figure, press and hold the original INPUT button again for 3 seconds. This will read, store, and set the EDID for that INPUT based on the OUTPUT selected.

## IR Remote Control

The HDMI matrix can also be controlled by using the supplied IR remote. The left arrow button switches to the previous button in the sequence, and the right arrow switches to the next input in sequence.



### RS-232 TCP/IP Control Commands

These commands apply to both the CS-88M and the CS-44M. Where applicable, commands that show 1-8 for inputs or outputs if used with the CS-44M do not exceed 4 for the inputs and outputs.

System HELP							
System Address = 00	F/W Version : 1.00						
Azz	All Commands start by Prefix System Address zz, if [01~99]						
System Control Setup Commands							
Н	Help						
STA	Show Global System Status						
SET RST	Reset to Factory Defaults						
SET ADDR xx	Set System Address to xx {xx=[00~99](00=Single)}						
SET LCD ON Tx	Set LCD Remain On Time{x=[0~3](0=Always ON,1=15,2=30,3=60Sec)						
SET KEY LOCK ON/OFF	Set Key Lock On/Off						
GET ADDR	Get System Address						
GET STA	Get System System Status						
GET INx SIG STA	Get Input x Signal Status{x=[0~16](0=ALL)}						
GET LCD ON T	Get LCD Remain On Time						
GET KEY LOCK	Get Key Lock Status						
Output Setup Command	(Note:output number(x)=HDMI(x),x=1-8)						
SET OUTx VS INy	Set Output x To Input y {x=[0~8](0=ALL), y=[1~8]}						
SET OUTx EXA EN/DIS	Set Ex-Audio Output Enable/Disable{x=[0~8](0=ALL)}						
SET EXAMX MODEx	Set Ex-Audio Matrix Mode {x=[0~2](0=Bind To Output,1=Bind To Input,2=Matrix}						

SET OUTx AS INy	Set Ex-Audio Output x To Input y{x=[0~8](0=ALL), y=[1~8]}							
SET OUTX STREAM ON/OFF	Set Output x Stream ON/OFF{x= $[0^{8}](0=ALL)$ }							
GET OUTX VS	Get Output x Video Route{x=[0~8](0=ALL)}							
GET OUTX EXA	Get Ex-Audio Output Enable/Disable Status{x=[0~8](0=ALL)}							
GET OUTX EDID DATA	Get Output x EDID DATA{x=[1~8]}							
GET EXAMX MODE	Get Ex-Audio Matrix Mode							
GET OUTX AS IN	Get Output x Ex-Audio Route{x=[0~8](0=ALL)}							
GET OUTx STREAM	Get Output x Stream ON/OFF Status{x=[0~8](0=ALL)} (Note:input number(x)=HDMI(x),x=1-8)							
Input Setup Command								
	Set Input x EDID{x=[0~8](0=ALL), y=[0~32](None:[12~14],[27~29])							
	0:1080P_2CH(PCM) 1:1080P_6CH 2:1080P_8CH							
	3:1080P_3D_2CH(PCM) 4:1080P_3D_6CH 5:1080P_3D_8CH							
	6:4K30Hz_3D_2CH(PCM) 7:4K30HZ_3D_6CH 8:4K30HZ_3D_8CH							
	9:4K60Hz(Y420)_3D_2CH(PCM) 10:4K60Hz(Y420)_3D_6CH							
	11:4K60Hz(Y420)_3D_8CH							
SET INx EDID y	15:1080P_2CH(PCM)_HDR 16:1080P_6CH_HDR 17:1080P_8CH_HDR   18:1080P_3D_2CH(PCM)_HDR 19:1080P_3D_6CH_HDR 10:1080P_8CH_HDR							
	18:1080P_3D_2CH(PCM)_HDR							
	21:4K30Hz_3D_2CH(PCM)_HDR 22:4K30Hz_3D_6CH_HDR							
	23:4K30Hz_3D_8CH_HDR							
	24:4K60Hz(Y420)_3D_2CH(PCM)_HDR 25:4K60Hz(Y420)_3D_6CH_HDR							
	26:4K60Hz(Y420)_3D_8CH_HDR							
	30:USER1_EDID 31:USER2_EDID 32:USER3_EDID							
SET INX EDID CY OUTY	Copy Output y EDID To Input x(USER1 BUF) {x=[0~8](0=ALL), y=[1~8]}							
SET INx EDID Uy DATAz	Write EDID To User y Buffer of Input x {x=[0~8](0=ALL), y=[1~3],z=[EDID Data]							
GET INX EDID	Get Input x EDID Index {x=[0~8](0=AII)}							
GET INx EDID y DATA	Get Input x EDID y Data $\{x=[1^8], y=[0^32\}$							
IR Code Setup								
SET IR SYS xx.yy	Set IR System Code {xx=[00~FFH],yy=[00~FFH]							
SET IR OUTx INy CODE zz	Set IR Data Code {x=[1~8],y=[1~8],zz=[00~FFH]}							
GET IR SYS	Get IR System Code							
GET IR OUTx INy CODE	Get IR Data Code {x=[1~8](0=All),y=[1~8]}							
Network Setup Command	( xxx=[000-255], zzzz=[0001~9999]							
SET RIP xxx.xxx.xxx.xxx	Set Route IP Address to xxx.xxx.xxx							
SET HIP xxx.xxx.xxx.xxx	Set Host IP Address to xxx.xxx.xxx							
SET NMK xxx.xxx.xxx.xxx	Set Net Mask to xxx.xxx.xxx							
SET TIP zzzz	Set TCP/IP Port to zzzz							
SET DHCP y	Set DHCP {y=[0~1](0=Dis,1=Enable)}							
GET RIP	Get Route IP Address							
GET HIP	Get Host IP Address							
GET NMK	Get Net Mask							
GET TIP	Get TCP/IP Port							
GET DHCP	Get DHCP Status							
GET MAC	Get MAC Address							

## Specifications

	Video	
Supported Video Resolutions	U	o to 4K 60Hz 4:2:0, 4K 30Hz 4:4:4, DCI 4K (1096x2160
		:4 10 and 12 Bit Deep Color - HDR10, HDR10+, Dolby
Supported HDR Formats		Vision (24/30 Frames), HLG
Supported Color Space	YUV, R	GB - CSV: REC. 601, REC. 709, BT2020, DCI, P3 D6500
Supported Chroma Subsampling	,	4:4:4, 4:2:2, 4:2:0
Supported Deep Color		Up to 16bit @ 1080p, Up to 12bit @ 4K
	Audio	
		LPCM 5.1 & 7.1, Dolby Digital, DTS 5.1, Dolby Digital
Support HDMI Audio Formats	-	TrueHD, DTS-HD Master Audio, DTS-X, Dolby Atmos
Supported Extracted Audio Digital Coax		PCM 2.0 CH, LPCM 6CH, Dolby Digital, DTS
Supported Extracted Audio 3.5mm Stereo		PCM 2.0 CH (No Downmixing)
	Other	
HDMI Bandwidth		18Gbps
Supported HDCP		HDCP 2.2 and earlier
	Control	
Ports		IR, RS-232, LAN
Web GUI		Yes
	Ports	
		4x ln, 4x Out CS-44M
HDMI		8x In, 8x Out CS-88M
LAN		1x RJ45 10/100
		4x Coax SPDIF Out, 4x 3.5mm Stereo Out CS-44M
Audio		8x Coax SPDIF Out, 4x 3.5mm Stereo Out CS-88M
IR		1x IR 3 conductor input
RS232		1x DB9 Female
	Environmenta	1
Operating Temperatures		23 to 125°F (-5 to 51°C)
Storage Temperatures		-4 to 140°F (-20 to 60°C)
Humidity Range		5-90% RH (No Condensation)
,	Power	
Consumption		92 Watts Max
•		Input: AC 100-240V ~ 50/60Hz
Power Supply		Output: DC 12V 3A
	Physical	
		MM: 44.45 x 225.42 x 438.15
	CS-88M:	Inch: 1.75 x 8.75 x 17.25
		MM: 44.45 x 225.42 x 438.15
Dimensions	CS-44M:	Inch: 1.75 x 8.75 x 17.25
Rack Units		1x RU
Weight	7 Lbs / 3.5 Kg	24.10
Weights and Dimensions are approximate, Spe		ngo without notico

# Safety Instructions

To protect the safety of any person using or handling these devices and to ensure the reliable operation of these products, please follow these instructions:

- 1. Use provided power supplies
  - a. If alternate power supply is necessary, check Voltage, Polarity and Amperage to ensure sufficient and correct power is supplied to the device.
- 2. Operate these products within specified temperature and humidity ranges
- 3. Ensure adequate ventilation
- 4. Repair should be handled only by qualified professionals due to sensitive devices that may be damaged if mistreated.
- 5. Only operate in a dry environment. These devices are not meant for outdoor or marine environments

## Troubleshooting

- Verify Power he LCD screen on the front of the matrix should be lit up when power is applied. Check that both power supplies are connected to the matrix and powered
- Verify Connections Check that all cables are properly connected
- Issues with one INPUT/OUTPUT Swap ports/cables/etc to help narrow down if the issue stays with the input/output/etc
  - Follows the device, then it may be an EDID issue. Default out of the box is a 1080p 2ch. Try another canned EDID or use the COPY FROM OUTx command to copy the connected displays EDID - Pg.12, 17, 23
- Issues with 4k but 1080p or less is working
  - Verify all connected devices are capable of the signal you are sending

### Warranty

If your device does not work properly because of a defect in material or manufacturing, Metra Home Theater will either repair or replace with a new or refurbished unit for a period of 10 Years. You must mail-in your product during the warranty period. This Limited Warranty is available only to the original purchaser and only covers products purchased as new. A receipt or other proof of original purchase with the purchase date is required for warranty service.

> ©2019 Metra Electronics Corporation 460 Walker Street, Holly Hill, FL 32117-2699 Specifications are subject to change without notice. All trademarks are the property of their respective owners. 386-255-0234 • MetraHomeTheater.com