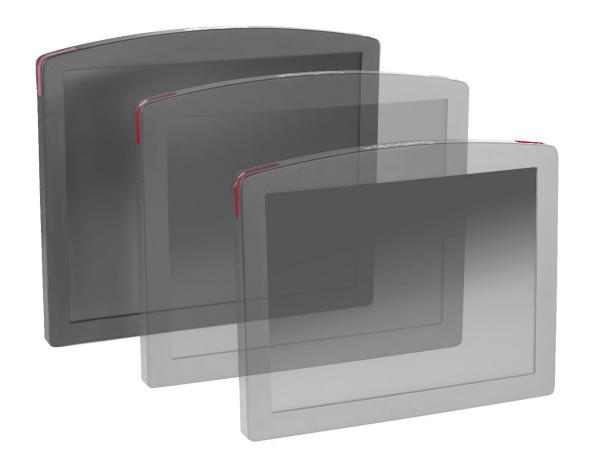


Installation and Operation Manual

Next Generation On-Camera Prompter Displays



Model CSM15-17-19 & IPCSM17-19 Prompters

Contents

1	Cu	CueScript CSM15, 17, 19" Prompters			
2	Cu	eScript Prompter Features	4		
3	Dis	splay Technical Specifications	4		
	3.1	Model CSM15	4		
	3.2	Model CSM17	5		
	3.3	Model CSM19	5		
4	Sig	nal Inputs	6		
5	Po	wer Requirements	6		
6	Dir	nensions	6		
	6.1	Model CSM15	6		
	6.2	Model CSM17	6		
	6.3	Model CSM19	6		
7	En	vironmental	7		
8	Ro	utine Maintenance	7		
9	Ins	tallation	7		
	9.1	Inspecting New Prompter and Accessories	7		
	9.2	Installation Requirements	7		
1() Co	nnectors and Controls	8		
	10.1	AC Power	8		
	10.2	DC Power	8		
	10.	.2.1 Power Consumption Tables	8		
	10.3	Composite Video In and Out	9		
	10.4	Loop/Terminate Slide Switch	10		
	10.5	HD-SDI In and Out	10		
	10.6	VGA In	10		
	10.7	HDMI In	10		
	10.8	Cue Light (Optical) Sensor In	10		
	10.9	Tally Repeat Out	11		
	10.10) USB Out	11		
	10.11	Accessory DC Power Out	12		
11	1 Op	eration	12		

1	1.1	Control Panel	12
1	1.2	Backlight Inactivity Control	12
1	1.3	Input and Rotate Buttons	13
1	1.4	Menu keys	13
	11.4.1	MENU	13
	11.4.2	DOWN ARROW	13
	11.4.3	UP ARROW	13
	11.4.4	RIGHT ARROW (+)	13
	11.4.5	5 LEFT ARROW (-)	13
1	1.5	Prompter Setup Menu	13
1	1.6	LCD Controller Menu	14
12	EMC (Compliance	19
13	CE De	claration	19
14	SAFET	Y INFORMATION	19
15	Warni	ings:	20
Not	۵ς.		21

1 CueScript CSM15, 17, 19" and IPCSM17, 19" Prompters

CueScript was created with a "clean slate" in order to design the most up to date prompters in the industry. These new low profile prompters have all the state of the art features demanded by professional prompter users. A unique dual curved Cue Light window system enhances the ability for all studio personnel to see the active prompter. A quick, no-tools required, mounting system instantly installs the prompter to the mount. The mount doubles as an external heat sink keeping the prompter internal temperatures low.

The CueScript CSM15, 17, and 19 monitors have High Brightness LED edge-lit screens and deliver superb picture quality. Standard power saving modes allow use where power is limited such as when powering from the camera power source. Several ways to trigger the Cue lights and two Cue light output options allow for maximum flexibility of system integration.

High brightness screens with a high contrast ratio and standard built in HD-SDI sets CueScript apart from all others. A built in mounting "T" rail system offers the user the ability to quickly add accessories underneath the prompter.

2 CueScript Prompter Features

- Unique quick mount doubles as external heat sink.
- Aluminum case with scratch resistant powder coat finish.
- Backlight dimming or cut feature when composite video is not changing.
- Three power consumption modes for use with limited power availability.
- Unique curved dual dimmable Tally Lights with Optical Sensor input and repeat outputs.
- Pin XLR DC power out socket for powering external devices.
- Powered by AC mains or 4 Pin XLR 12V DC.
- Designed for maximum performance with minimum power consumption.
- HD-SDI input with re-clocked output standard.
- Instant four way picture rotate pushbutton switch.
- Pushbutton switch for instant input selection.
- T-rail slots on the underside for accessory mounting.
- Backlit LED pushbuttons for ease of operation.

3 Display Technical Specifications

3.1 Model CSM15

Screen Size 15.0 inch diagonal

Display Area 304.128(H) x 228.096(V)mm

Native Resolution 1024 x 768 (XGA) Brightness 1500 cd/m2

Contrast Ratio 700:1

Viewing Angle 160°(H), 140°(V)

Backlight Technology High Brightness LED

3.2 Model CSM17

Screen Size 17.0 inch diagonal

Display Area 337.92(H) x 270.336(V)mm

Native Resolution 1280 x 1024 (SXGA)

Brightness 1000 cd/m2 Contrast Ratio 1000:1

Viewing Angle 170°(H), 160°(V)

Backlight Technology High Brightness LED

3.3 Model CSM19

Screen Size 19.0 inch diagonal

Display Area 376.32(H) x 301.06(V)mm

Native Resolution 1280 x 1024 (SXGA)

Brightness 1500 cd/m2

Contrast Ratio 1000:1

Viewing Angle 170°(H), 160°(V)

Backlight Technology High Brightness LED

3.4 Model IPCSM17

Screen Size 17.0 inch diagonal

Display Area 337.92(H) x 270.336(V)mm

Native Resolution 1280 x 1024 (SXGA)

Brightness 1000 cd/m2 Contrast Ratio 1000:1

Viewing Angle 170°(H), 160°(V)

Backlight Technology High Brightness LED

3.5 Model IPCSM19

Screen Size 19.0 inch diagonal

Display Area 376.32(H) x 301.06(V)mm

Native Resolution 1280 x 1024 (SXGA)

Brightness 1500 cd/m2 Contrast Ratio 1000:1

Viewing Angle 170°(H), 160°(V)

Backlight Technology High Brightness LED

4 Signal Inputs

All CueScript prompters are designed to accept the most common video signals used in prompting. The following signals are compatible. Please contact CueScript for any special requirements.

- Composite with Loopout (PAL, NTSC, or SECAM Video)
- VGA
- HD-SDI with Loopout
- HDMI (only CSM15, CSM17 & CSM19)

5 Power Requirements

CueScript prompter monitors may be adjusted to consume more or less power depending on requirements and constraints. The maximum power consumed is a follows:

DC 12V4.0A (48W)

AC 100-240 V 50-60 HZ 60VA

All CueScript prompter monitors can be set to Low, Medium, or High power modes. Within these modes, the power consumed may be altered by adjusting the backlight brightness. Each of the three selectable modes allows a maximum brightness level and thus a maximum power consumption. Whichever mode, brightness level, and power consumption is selected, the prompter will store the setup in memory so that when power is removed or re-applied, the setup will remain as it was. Each of the three power modes will store a complete set up.

6 Dimensions

6.1 Model CSM15

Outer Dimensions: 360 mm W x 295 mm H x 68 mm D (14.162" W X 11.60" H X 2.67" D)

Weight: 3.41 kg. 7.5 Lb.

6.2 Model CSM17

Outer Dimensions: 396 mm W x 341 mm H x 68 mm D (15.574" W X 13.43" H X 2.67" D)

Weight: 4.75 kg. 11.0 Lb.

6.3 Model CSM19 & IPCSM19

Outer Dimensions: 430 mm W x 369 mm H x 68 mm D (16.920" W X 14.52" H X 2.67" D)

Weight: 4.66 kg. 10.25 Lb.

6.4 Model IPCSM17

Outer Dimensions: 396 mm W x 341 mm H x 68 mm D (15.574" W X 13.43" H X 2.67" D)

Weight: 4.95 kg. 11.5 Lb.

6.5 IPCSM19

Outer Dimensions: 430 mm W x 369 mm H x 68 mm D (16.920" W X 14.52" H X 2.67" D)

Weight: 4.86 kg. 10.75 Lb.

7 Environmental

All CueScript prompter monitors are designed to be operated within the environment specified below.

Temperature Range: Operating: 5 to 40 degrees C

Storage: -20 to 60 degrees C

Relative Humidity: 0-95% Non-condensing

8 Routine Maintenance

All CueScript prompter monitors are designed to be operated with limited maintenance. Recommended maintenance is as follows:

Remove dust from the cabinet when it accumulates. The front LCD panel may cleaned with a soft cotton cloth. Use only a small amount of mild soap and water solution to dampen the cloth if necessary.

No routine checks or adjustments are required.

9 Installation

9.1 Inspecting New Prompter and Accessories

Each item should be inspected as it is unpacked to see if any damage has occurred in shipping. If so, please file a claim with the shipping carrier. Please retain the original packaging in the event it is necessary to reship the unit.

Any missing items should be noted and brought to the attention of the shipper.

9.2 Installation Requirements

The following requirements should be observed when installing a CSM15, 17, or 19" prompter.

Do not exceed the maximum operating ambient temperature of +40°C.

Do not block any ventilation holes in the prompter cabinet. Free flow of air is required for proper operation.

Use the power supply cord supplied with the unit. Connect the cord to a grounded AC mains outlet.

EMC and Safety Compliance: CSM15, 17, and 19" Prompters have been designed for EMC and safety compliance. However, the installer or operator is responsible for compliance of the system as built and used under the regulations governing such use.

10 Connectors and Controls



10.1 AC Power

AC Mains Inlet: IEC socket with built in fuse holder and lighted ON/OFF switch

AC Mains Cord required: Three wire 18 Gauge conductors with IEC socket and country appropriate

plug. Safety ratings such as UL or TUV are preferred.

Fuse type: 5X20mm Fast acting glass fuse rated at 3A 250V AC.

Example fuse: Little fuse part no. 0235003.HXP

It is required to replace the fuse with the same type and current rating.

10.2 DC Power

The CueScript prompters require a regulated source of 12 VDC that should be capable of supplying approximately 5 amperes. Alternatively, a battery with sufficient capacity may be used. Prompter lower power settings will reduce the current requirements.

Prompter Connector type: 4 pin XLR Male plug
Mating (cable) connector: 4 pin XLR Female socket

Pin	Description
1	GROUND (connected to monitor chassis)
2	No Connection
3	No Connection
4	+12V DC

10.2.1 Power Consumption Tables

Model CSM15	Power Consumption @ 12 VDC
High Power Mode	24 Watts
Medium Power Mode	19 Watts
Low Power Mode	17 Watts

Model CSM17	Power Consumption @ 12 VDC
High Power Mode	39 Watts
Medium Power Mode	31 Watts
Low Power Mode	27 Watts

Model CSM19	Power Consumption @ 12 VDC
High Power Mode	45 Watts
Medium Power Mode	36 Watts
Low Power Mode	32 Watts

Model IPCSM17	Power Consumption @ 12 VDC
High Power Mode	44 Watts
Medium Power Mode	36 Watts
Low Power Mode	32 Watts

Model IPCSM19	Power Consumption @ 12 VDC
High Power Mode	49 Watts
Medium Power Mode	41 Watts
Low Power Mode	37 Watts

10.3 Composite Video In and Out

Prompter Connector type: 75 Ohm BNC Socket **Mating (source) connector:** 75 Ohm BNC Plug

Pin	Description
Center	Composite Video In (PAL, NTSC, or SECAM)
Outer	Ground

10.4 Loop/Terminate Slide Switch

Monitor can be set to Loop or Terminate in 75 ohms. Set the switch to 75 Ohm termination when there are no additional devices connected. When additional monitors are connected, the final video connection (at the end of the loop) should be terminated.

10.5 HD-SDI In and Out

HD and SD SDI input with an output that is re-clocked and buffered. The input and output are compliant with SMPTE 259M-C and SMPTE 292M standards.

Prompter Connector type: 75 Ohm BNC Socket **Mating (cable) connector:** 75 Ohm BNC Plug

Pin	Description
Center	HD-SDI In
Outer	Ground

10.6 VGA In

CueScript prompters have a PC compatible VGA input. The prompter will automatically scale the input resolution to the screen native resolution.

Prompter Connector type: 15 pin High Density D socket

Pin connections are standard VGA

10.7 HDMI In

Only CSM15, CSM17 and CSM19. CueScript prompters have a PC compatible HDMI input. The prompter will automatically scale the input resolution to the screen native resolution. CueScript monitors do not have speakers so any audio will be ignored.

Prompter Connector type: 19 pin HDMI type A receptacle (female) connector

Pin connections are standard HDMI.

10.8 Cue Light (Optical) Sensor In

When the CueScript Cuelight sensor is installed, it allows the built in Cue lights to illuminate when the sensor sees sufficient light. Typically the sensor is affixed with a Velcro ring around the camera tally light LED. There are two additional ways the Cue Lights may be triggered. Grounding (through a relay or transistor switch) the sensor input will cause the Cue Lights to illuminate. A second way is to apply a voltage (5-24 VDC) to the +Logic Tally input (Tally Sensor In pin 2).

Sensor: Photocell device. 16K Ω to 33K Ω @ 10 lux. 1M Ω or more at 0 lux.

Light on the optical sensor or grounded input = CUE LIGHTS ON No light on the optical sensor or open input = CUE LIGHTS OFF

Prompter Connector type: USB-B (mini-B USB)

Mating (cable) connector: USB-B (mini USB) plug

Pin	Description
1	Sensor In
2	+ Logic Tally
3	No Connection
4	No Connection
5	Ground

10.9 Tally Repeat Out

(-) Tally Repeat: Open drain (similar to open collector) output giving contact closure of positive

voltage to ground when the internal Cue Light is ON. Can be used to signal accessory

devices that the tally is active.

(+) Tally Repeat: Provides a current source output sourcing a positive voltage when the internal Tally

Light is ON. Can also be used to signal accessory devices that the tally is active. May

be used to power a low current auxiliary cue light.

Prompter Connector type: USB-B (mini-B USB)

Mating (cable) connector: USB-B (mini USB) plug

Pin	Description
1	No Connection
2	-Tally Repeat
3	+Tally Repeat
4	No Connection
5	Ground

10.10 USB Out

Both provide .5A source of 5 VDC to power accessories and duplication of the tally plus and minus outputs.

Prompter Connector type: USB-A (Standard USB) **Mating (cable) connector:** USB-A (USB) plug

Pin	Description
1	+5 VDC
2	-Tally Repeat

3	+Tally Repeat
4	No Connection
5	Ground

10.11 Accessory DC Power Out

Provides a 12V DC supply to operate external accessories. Fused internally with a resettable fuse. This output is only available while powering the prompter by AC mains.

Prompter Connector type: 4 pin XLR Female socket **Mating (cable) connector:** 4 pin XLR Male plug

Pin	Description
1	Ground
2	No Connection
3	No Connection
4	+12 VDC

11 Operation

11.1 Control Panel



There are 11 buttons on the right side of the prompter. All of these buttons are illuminated and nine of them increase brightness when touched. After a short period of time when no buttons have been pushed, they will revert to their low brightness level. The two backlight inactivity control buttons have fixed brightness levels.

Two of these buttons control the backlight brightness. Pressing the up or down button will increase or decrease the backlight brightness. The actual brightness level will be stored in memory so that when the prompter is turned off and back on again, the set brightness level will return.

11.2 Backlight Inactivity Control

Two buttons are dedicated to backlight control when there is no changing composite video. The two backlight buttons – Off or Reduced, activate the backlight control function. When there is a period of video inactivity on the screen, the backlight may be shut down completely (Off) or backed down to a low level (Reduced) in order to conserve power and prolong backlight life. Pressing one or the other of these two

buttons activates the function. Pressing the activated button a second time shuts off the function. When a period of video inactivity exceeds the value of the timer, the backlight will either go off or reduce the brightness to a very low level. The respective button will flash when it is in that mode.

11.3 Input and Rotate Buttons

There are two buttons for input selection and screen rotation. Pressing the input button will cause the prompter to select the next video input source in succession. Pressing the rotate button will cause the screen to "flip" in both the horizontal way and the vertical way for a total of four possible ways. Successively pressing the rotate button while watching the prompting mirror, allows for a quick set up for proper operation. The rotate button is depicted as a circular arrow to the right.

11.4 Menu keys

There is a group of four buttons arranged as Up and Down, and Left and Right, with one button in the center. The operation of these buttons for the on-screen display is as follows:

11.4.1 MENU

- Activates or deactivates the OSD (On-Screen-Display) menu
- Reverts to one higher level menu page
- Must be pressed for less than 4 seconds to prevent going into the Prompter set up menu

11.4.2 DOWN ARROW

• Moves the OSD selection DOWN one item

11.4.3 UP ARROW

• Moves the OSD selection UP one item

11.4.4 RIGHT ARROW (+)

- Increments the OSD item value
- Enters into a OSD sub menu
- Stores the new value entered on the OSD

11.4.5 LEFT ARROW (-)

• Decrements the OSD item value

See the Section 5.3 for more information on the LCD OSD control functions.

11.5 Prompter Setup Menu

This is accessed by pressing the Menu button for 5 seconds or more and navigated using the Up and Down buttons and the Left and Right Arrow buttons. The following are the Prompter set-up options:

- High/Med/Low Power
- Cuelight Brightness
- Cuelight Sensitivity
- Switch Brightness
- Backlight Cut or Dim Delay
- Dim-Cut Level
- Time Code Select
- White Screen Auto Brightness
- Reset to Factory Defaults

To adjust any of these settings, proceed as follows:

- 1. Press and HOLD the Menu button for 5 seconds or more.
- 2. When Menu is released, you should see the CueScript menu appear on the bottom of the screen. Scroll the available options with the UP or Down Buttons.
- 3. When you find the menu option you want to change, press the right arrow.
- 4. Adjust the option item value by pressing the Up or Down arrow button.
- 5. When the menu option is set, press the right arrow to store it.
- 6. To exit the menu system, press the left arrow button. Note you must press it twice to get out of a second order menu item.
- 7. If no keys are pressed, after a short while, the menu system will "time out" and go off. In this event, nothing will be stored in memory. Any changes made will stay until the prompter is turned off. The changes are not permanent unless they are stored in memory.
- 8. Backlight video motion timer cut or dim modes are fixed brightness and the appropriate button will flash when the timer has expired due to no motion in the video.

Exiting before storing any changes keeps the change until you turn off power. On re-application of power, the old (stored) value is restored.

When you select the factory default menu item, all CueScript factory default values are applied and all LCD controller factory defaults are also applied.

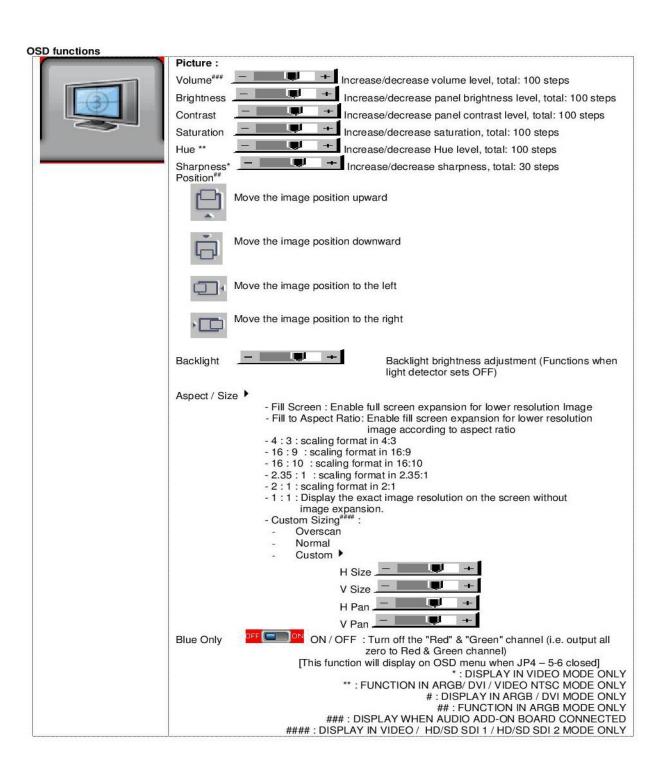
When any pushbutton except the backlight cut or dim buttons is pressed, The LED button backlight increases for a while. The LED's will return to the dimmer setting upon time out.

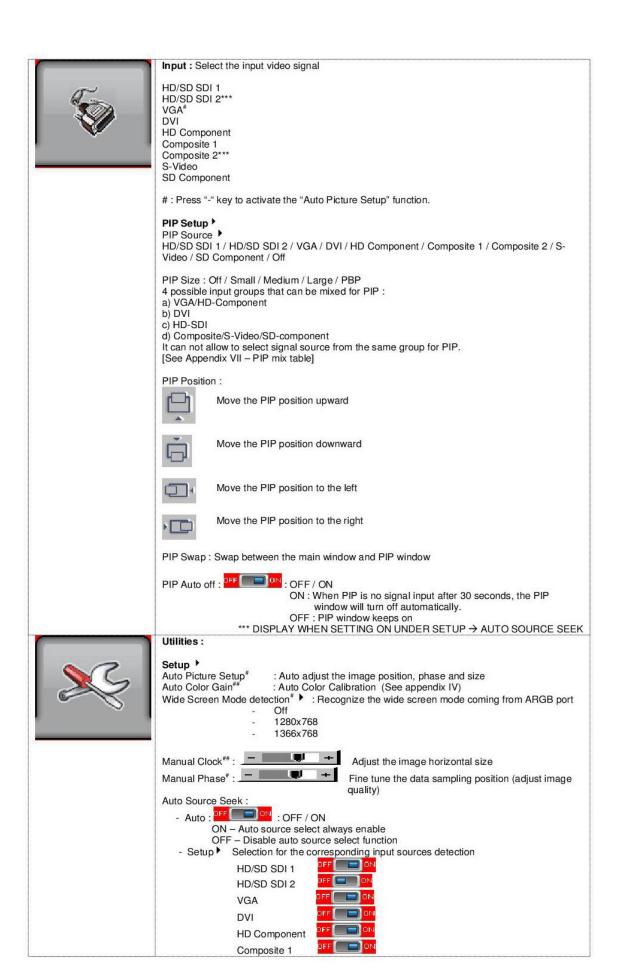
When in the CueScript menu mode, no control of the backlight brightness, input selection, Backlight Cut or Dim, or rotation is possible.

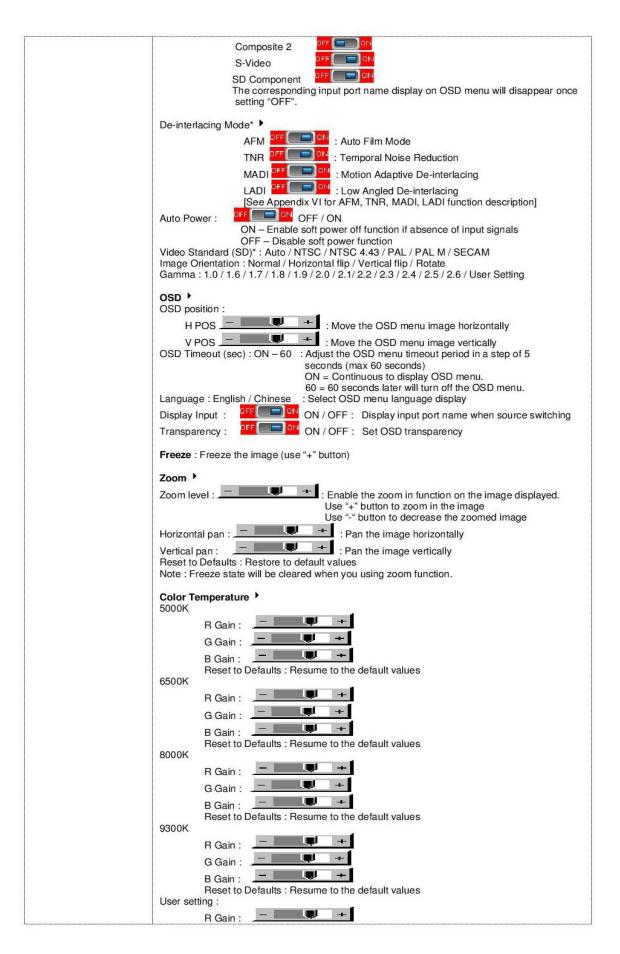
11.6 LCD Controller Menu

To make adjustments to the LCD display, pressing the MENU button and quickly releasing it will bring up the LCD On-Screen-Display (OSD) menu. The MENU button must be pressed for less than 4 seconds to avoid entering the Prompter set up menu.

Pressing the Right or Left arrows and the Up or Down arrows allows you to highlight available changes in the LCD controller menu. Generally, once you have navigated to the item you want to change, and enter in a new value, the Right arrow button will store the change.







G Gain: B Gain: Reset to Defaults: Resume to the default values Reset All to Defaults: Resume all color temperature settings to the default values. Hot Key Hot key 1 : Volume### / Brightness / Contrast / Input / Aspect / Zoom / Freeze / PIP Size / PIP Swap / Image Orientation / Saturation / Hue / Backlight / Auto Picture Setup Hot key 2 : Volume### / Brightness / Contrast / Input / Aspect / Zoom / Freeze / PIP Size / PIP Swap / Image Orientation / Saturation / Hue / Backlight / Auto Picture Setup Monochrome Mode Color Red Monochrome Green Monochrome Blue Monochrome Backlight Setup - B/L Invert : Invert for the backlight brightness - B/L Control : D/A / PWM : Selection for voltage level dimming control / PWM dimming control 100 ~ 440Hz in a step of 20 - Backlight Frequency: - Light Detector : Enable ambient light detector function by using KIT 70220-3 **Reset to Factory Defaults** - Reset to Factory Defaults - Reset to Factory Defaults with (Color Temp) - Restore to Calibrated Defaults - Save to Calibrated Defaults *: DISPLAY IN VIDEO MODE ONLY #: DISPLAY IN ARGB MODE ONLY ##: DISPLAY IN ARGB & HD Component MODE ONLY ###: DISPLAY WHEN AUDIO ADD-ON BOARD CONNECTED

Firmware V0.48.00

12 EMC Compliance

The CueScript CSM15", 17", and 19" series prompter monitors and the CSTM 19 Talent monitor have been tested by TUV Rhineland and are compliant with the following standards:

Guidance Documents:

Emissions: EN55103-1:1996 Immunity: EN55103-2:1996

Test Methods:

Emissions: EN55022:2010 & FCC Part 15

EN61000-3-2:2006 +A1:2009 +A2:2009, EN61000-3-3:2013

Immunity: EN55024:2010,

EN61000-4-2:2009, EN61000-4-3:2006 + A2:2010,

EN61000-4-4:2012, EN61000-4-5:2006, EN61000-4-6:2009,

EN61000-4-8:2010, EN61000-4-11:2004 Meet requirements for VCCI 2010. (Japan)

13 CE Declaration



The CueScript CS- 15", 17", and 19" prompter monitors and the CSTM-19 Talent Monitor are compliant with all applicable directives necessary for declaration of conformity. All models are RoHS compliant and all models are have the CE mark affixed.

14 SAFETY INFORMATION

The CueScript model CS- 15", 17", and 19" prompter monitors are not user serviceable. Please return to CueScript in the event that servicing is required. After any servicing, the CueScript service center will re-test each prompter to ensure product safety is intact.

In no event should any modification be made to any CueScript prompter without authorization from CueScript. Doing so without authorization will void the warranty and possibly affect the safety of the product.

15 Warnings:

The following warning symbol appears on the underside of the CueScript monitors:



WARNING:

HAZARDOUS VOLTAGE-DO NOT OPEN EXCEPT FOR QUALIFIED SERVICE PERSONNEL ONLY.

The CueScript prompters utilize switching power supplies which inherently have high voltages appearing within the circuitry. Specialized equipment and skill is required to service this equipment. Touching anything on the inside of the cabinet with the cover removed can be extremely dangerous.

In addition, the following warning is given:

THIS EQUIPMENT MUST BE EARTH GROUNDED.

In order to prevent accidental electric shocks or other hazards, the AC mains power cord must be connected to an earth grounded receptacle.

There is another warning symbol near the DC power input XLR jack.



For 12 Volt DC operation, you must unplug the power source connector (4 pin XLR) to shut the monitor down. There is no On-Off switch when the prompter is powered with 12 VDC.

Before removing any cabinet part, you must remove *both* the 12 VDC power and the 100-240 VAC mains power to ensure that the prompter is not powered up by either source.

Notes:	

Contact CueScript

US OFFICE UK OFFICE

555 Lordship Blvd Unit 15, First Quarter Business Park Stratford Blenheim Road

CT, 06615 Epsom, Surrey, KT19 9QN T: +1(203)763-4030 T: +44 (0) 20 3757 8880

24 Hour Support: +1(203) 692 4856 support@cuescript.tv www.cuescript.tv **Installation and Operation**