

CueScript

A WAY WITH WORDS...

Installation and Operation Manual

Next Generation On-Camera Prompter Displays



Model CSF15 Prompter

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1.0 Introduction

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 CueLight 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 CueScript CSF15 monitor has very high Brightness LED edge-lit screens and delivers superb picture quality.

2.0 CueScript Prompter Features

- Unique quick mount system for simple installation.
- Aluminum case with scratch resistant powder coat finish.
- USB-A 5 Volt DC power out connector for powering external devices.
- Powered by 12V DC.
- Designed for maximum performance with minimum power consumption.
- Instant four-way picture rotate pushbutton switch.
- Picture auto-flip with internal tilt sensor.
- 1500 nit screen for ultra-high brightness picture.
- Internal Tally system with multiple tally light displays
- Tally sensor input with sensitivity control.
- Designed for under camera or direct view prompting.
- SDI input as well as Composite, Component, VGA, and DVI (HDMI).

3.0 Display Technical Specifications

Model CSF15

Screen Size	15.0-inch diagonal
Display Area	304.1 (H) x 228.1 (V)mm
Native Resolution	1024 x 768 (XGA)
Brightness	1500 cd/m ²
Contrast Ratio	5000:1
Viewing Angle	176°(H), 176°(V)
Backlight Technology	LED

4.0 Signal Inputs

CueScript CSF15 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.

- **2 x 3G-SDI** (SMPTE 259M-C, SMPTE 292M and SMPTE424M) + 1 x 3G-SDI Loop-out
- **Composite** (PAL/NTSC/SECAM)
- **VGA**
- **DVI (HDMI)**
- **Component**

5.0 Power Requirements

CueScript CSF15 series prompter monitors are powered with 12 VDC via 4-pin XLR. The maximum power consumed at full brightness is **28.8Watts**.

6.0 Dimensions

Outside Dimensions:

Model CSF15: 356 mm W x 305 mm H x 42 mm D (14" W X 12" H X 1.65" D)

Weight: 2.3 kg (5.07lb)

7.0 Environmental

CueScript CSF15 prompter monitor is 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

8.0 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 be 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.

9.0 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 CSF15 prompter monitor.

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: CSF15 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.

10.0 Connectors and Controls



10.1 DC Power

The CueScript CSF15 prompters require a regulated source of 12 VDC that should be capable of supplying at least 2.5A. Alternatively, a battery with sufficient capacity may be used.

Prompter Connector type: 4 pin XLR Male plug

Mating (cable) connector: 4 pin XLR Female socket; example is the Neutrik NC4FX

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

Power Consumption Tables

Model CSF15	Power Consumption @ 12VDC
2.4A DC	28.8 Watts

10.2 Composite Video In (CVBS)

Prompter Connector type: 75 Ohm BNC Socket

Mating (source) connector: 75 Ohm BNC Plug

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

10.3 VGA

Description: CueScript CSF15 monitor has 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.

10.4 2 x 3G-SDI Video In

Description: CueScript CSF15 monitor has two SDI BNC inputs available. The selected input (from the menu) will appear on the BNC SDI output connector (Loop-Out) as well as the screen. The monitor will automatically scale the input resolution to the screen native resolution. The inputs are compliant with SMPTE 259M-C, SMPTE 292M and SMPTE424M standards.

Prompter Connector type: 75 Ohm BNC Socket

Mating (cable) connector: 75 Ohm BNC Plug

Pin	Description
Centre	SD/HD/3G-SDI In
Outer	Ground

10.5 DVI

Description: CueScript CSF15 monitors have a Digital Visual Interface (DVI). The prompter will automatically scale the input resolution to the screen native resolution. Please note that this input is marked as HDMI in monitor OSD. Simple HDMI to DVI adapter or cable can be used.

Prompter Connector type: DVI-D Dual-Link Receptacle (24+1), Female

Mating (cable) connector: DVI-D Dual-Link Plug (24+1), Male

10.6 Component Video In (YPbPr)

Description: CueScript CSF15 monitor has a Component Video (YPbPr) input via three BNC connectors. The prompter will automatically scale the input resolution to the screen native resolution.

Prompter Connector type: 3 × 75 Ohm BNC Sockets (Y, Pb, Pr)

Mating (source) connector: 3 × 75 Ohm BNC Plugs

10.7 Tally Sensor

Description: Allows for connection of Tally CueLight Sensor. When the CueScript CueLight sensor is installed, it allows the on-board 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. The light sensitivity threshold can be adjusted by dedicated “Sensitivity” potentiometer. There are two additional ways the Cue Lights may be triggered:

- Ground the sensor input (through a relay or transistor switch).
- 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 socket

Mating (cable) connector: USB B-Mini plug

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

10.8 USB Out

Description: Provides a max 0.5A source of 5 VDC to power accessories. Provides Tally signal to Camera CueNumber system.

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	Ground

11.0 Operation

11.1 Control Panel



There are 6 buttons on the right side of the prompter. Each are described below:

11.2 Power Button

Pressing the power button will turn the monitor on. To turn the monitor off, press the button again.

11.3 Rotate Button

When the prompter monitor is first turned on, the internal tilt switch will be activated and automatically set the correct image when mounted either in the front facing position or in the under camera prompting position. Tilting the prompter back and forth will cause the image to automatically switch the image orientation. This will continue unless the “Rotate” button is pressed. Once pressed, the image rotation will be in a manual mode and unaffected by the tilt switch. Only turning off the power and turning it back on will re-activate the automatic tilt switch.

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.

11.4 Menu keys

MENU

- Activates or deactivates the OSD (On-Screen-Display) menu
- Reverts to one higher level menu page

DOWN ARROW

- Moves the OSD selection DOWN one item

UP ARROW

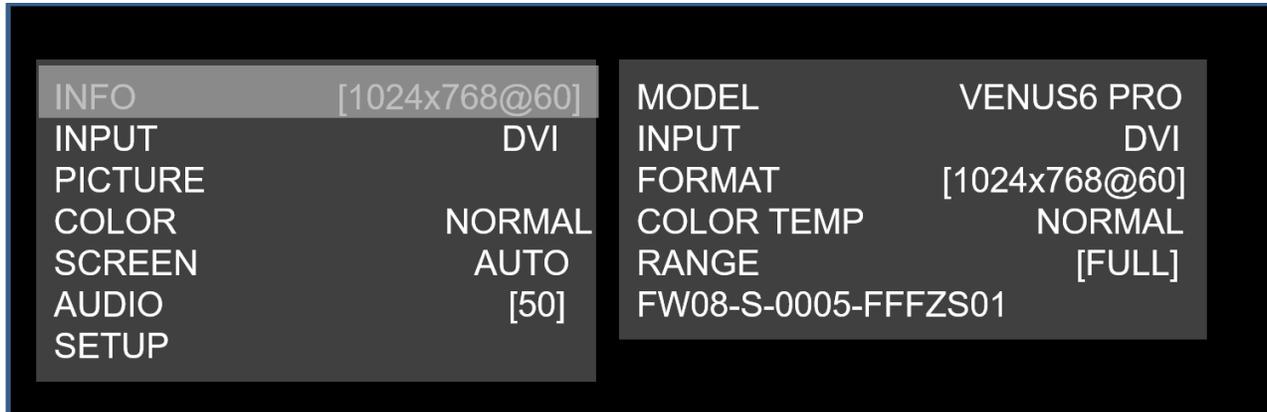
- Moves the OSD selection UP one item

SELECT

- Selects the option you are looking for.
- Steps forward into the next submenu.
- Stores the new value entered on the OSD.

12.0 OSD Menu Layout

Menu consists of 3 levels as below from left to right for deeper level.

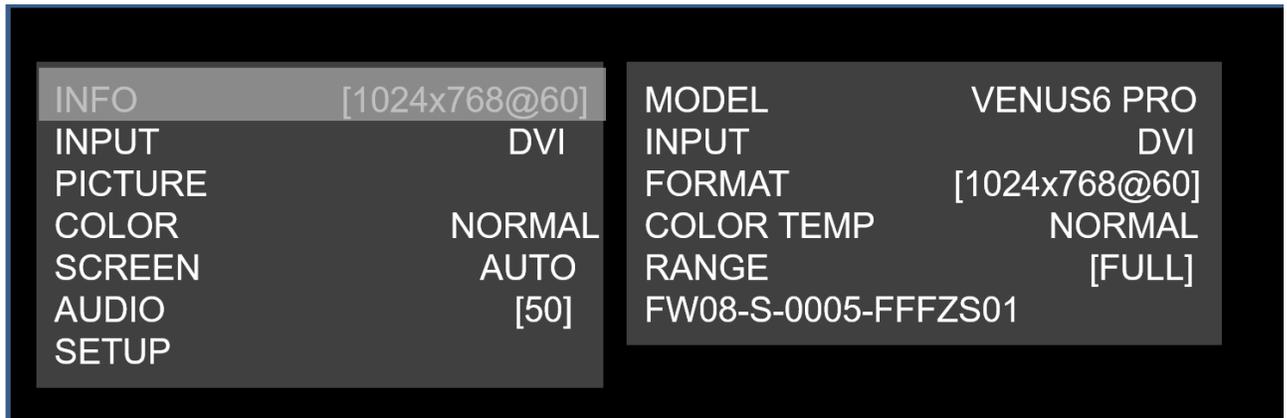


To enter next level - choose Level1 item and press **SELECT** key to enter Level2 items.

To exit from current level - press **MENU** key or choose **RETURN** menu.

13.0 INFO Menu

Monitor INFO Menu



13.1 MODEL

Shows product model name “Venus2 Pro” or “Venus6 Pro” depending on the driver board model. *Please note that “Venus2 Pro” is previous revision model and some menu items can vary slightly, but all functionality remains the same.*

13.2 INPUT

Shows current selected video input port i.e. SDI1

13.3 FORMAT

Shows current detected video format i.e. 1080/60i

13.4 COLOR TEMP

Shows current selected color temperature i.e. CIE D65

13.5 RANGE

Shows current digital representation range such as LIMITED or FULL

LIMITED uses 16-235 in 8 bits representation.

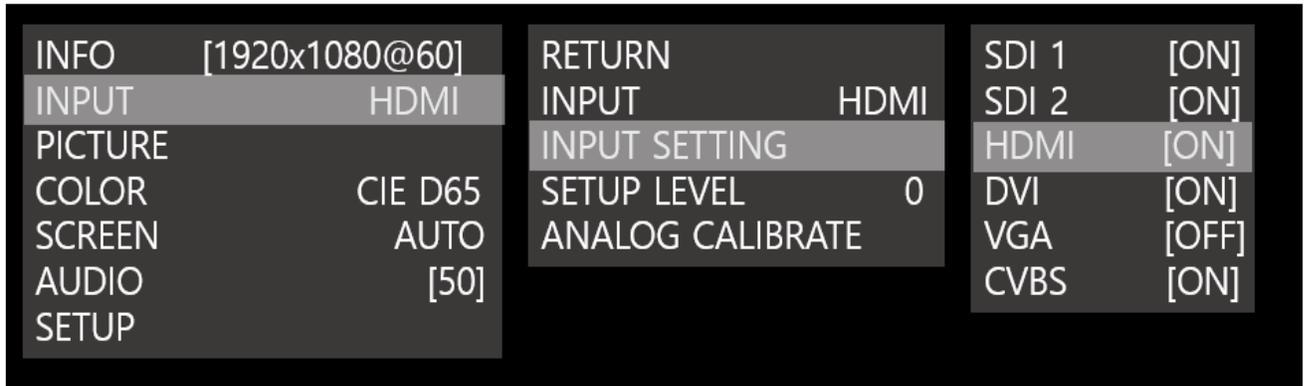
FULL uses 0-255 in 8 bits representation.

13.6 VERSION

Shows current firmware version information.

14.0 INPUT Menu

Monitor INPUT Menu



14.1 RETURN

Return to Level 1 menu

14.2 INPUT

Allows for selecting an input port:

- **SDI1:** Selects SDI1 Input, SDI Output will be copy of SDI 1
- **SDI2:** Selects SDI2 Input, SDI Output will be copy of SDI 2
- **HDMI:** Selects DVI (HDMI)
- **COMP:** Use 3 BNC Input as Component input (Y/Pb/Pr)
- **RGB:** Use 3 BNC Input as RGB input (R/G/B)
- **VGA:** Selects VGA port
- **CVBS:** Use 1 BNC input as CVBS (NTSC/PAL/SECAM)
- **AUTO:** Scans for valid video format on selected ports

14.3 INPUT SETTING

Allows for Enabling or Disabling individual video inputs (ON/OFF)

14.4 SETUP LEVEL

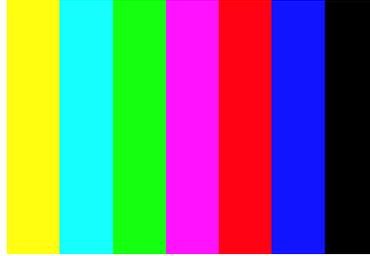
Choose setup level for CVBS input.

7.5 IRE: **Default** value for NTSC-M SMPTE 170M Standard

0 IRE: Japanese black level

14.5 ANALOG CALIBRATE

Calibrate ADC with 8 COLOR BARS.



IMPORTANT - 8 Color Bars must contain 8th color as BLACK.

Dual confirmation is required to start calibration.

Selects CALIBRATE then move up (or down) and selects for final confirm.

15.0 PICTURE

Monitor PICTURE Menu

INFO	[1024x768@60]	RETURN	
INPUT	DVI	BRIGHT	50
PICTURE		CONTRAST	80
COLOR	NORMAL	CHROMA	50
SCREEN	AUTO	SHARPNESS	50
AUDIO	[50]	GAMMA	[2.20]
SETUP		RESET TO DEFAULT	

15.1 RETURN

Return to Level 1 menu

15.2 BRIGHT

Changes brightness level at range of 0 to 100.

Default value is **50** for even black level to LCD panel's black.

15.3 CONTRAST

Changes video gain at range of 0 to 100.

Default value is **80** for unity gain and maximum dynamic range.

Minimum value 0 shows no video because of gain value at 0.

Maximum value 100 boosts video up with approx. 20% saturation.

15.4 CHROMA

Changes Chroma level at range of 0 to 100.

Default value is 50 for standard color representation.

Minimum value 0 shows video in grayscale.

Maximum value 100 shows boosted color approx. 6dB.

15.5 SHARPNESS

Changes sharpness level at range of 0 to 100.

Default value is 0 for neutral image processing.

15.6 GAMMA

Changes gamma curve at range of 0.45 to 3.00 with 0.05 steps.

Default value is 2.20.

Typical value is between 2.20 and 2.40.

Lower range helps enhancing dark area for easier view.

15.7 RESET TO DEFAULT

Resets only picture related values back to default values.

Other values will not be changed.

16.0 COLOR

Monitor COLOR Menu

INFO	[1920x1080@60]	RETURN		CIE D56
INPUT	HDMI	COLOR TEMP	CIE D65	CIE D65
PICTURE		RED BIAS	[0]	JP D93
COLOR	CIE D65	GREEN BIAS	[0]	USER
SCREEN	AUTO	BLUE BIAS	[0]	
AUDIO	[50]	RED GAIN	[128]	
SETUP		GREEN GAIN	[128]	
		BLUE GAIN	[128]	

16.1 RETURN

Return to Level 1 menu

16.2 COLOR TEMP

Selects color temperature for CIE D65 and Japanese D93.

D65 offers preset 6500K for white balance.

D93 offers preset 9300K for white balance.

USER allows manual adjustment for gain and bias.

Default value is **CIE D65**.

16.3 BIAS

Adjusts black level of LCD panels at range of -50 to +50.

Often used to calibrate lower luminance white balance points.

However, leave it as 0 on all channels are recommended for general practice.

Default value is **0** on all channels.

16.4 GAIN

Adjusts post processing video gain at range of 0 to 255.

Often used to calibrate higher luminance white balance points.

In general, any channels should not exceed 128.

Use only lower than 128 to avoid unnecessary saturation.

E.g. 120/128/124 for R/G/B

Default value is **128** on all channels.

17.0 SCREEN

Monitor SCREEN Menu

INFO	[1920x1080@60]	RETURN		NORMAL
INPUT	HDMI	SCAN	NORMAL	OVERSCAN
PICTURE		ASPECT	AUTO	ZOOM
COLOR	CIE D65	MONO/COLOR	RGB	
SCREEN	AUTO	FLIP H	[OFF]	
AUDIO	[50]	FLIP V	[OFF]	
SETUP				

17.1 RETURN

Return to Level 1 menu

17.2 SCAN

- **NORMAL**
 - Displays all valid video region.
 - Also known as JUST SCAN or ZERO SCAN.
- **OVERSCAN**
 - Crop and zoom approx. 5%
- **ZOOM**
 - Crop and zoom at the center of video input for magnification.

17.3 ASPECT

- AUTO
 - Maintains original aspect ratio.
 - Border may appear according to panel's native aspect ratio.
- 4:3
 - Forces any video input to 4:3 ratio.
- 16:9
 - Forces any video input to 16:9 ratio
- FILL
 - Forces any video stretch to panel's all valid area.

17.4 MONO/COLOR

- RGB
 - Displays all three (RGB) channels for normal operation.
- MONO
 - Displays video in grayscale.
- RED/GREEN/BLUE
 - Displays only one channel at a time for channel verification.

17.5 FLIP H/FLIP V

Flips image horizontally and vertically.

18.0 AUDIO (UNUSED)

Controls volume for an external speaker if available (UNUSED).

18.1 RETURN

Return to Level 1 menu

18.2 FRONT VOLUME

Default Volume is **50**.

18.3 REAR VOLUME(Optional)

Default Volume is **50**.

19.0 SETUP

Monitor SETUP Menu

INFO	[1920x1080@60]	RETURN		AUTO
INPUT	HDMI	FORMAT DISPLAY	AUTO	ON
PICTURE		POWER SAVE	ALWAYS..	OFF
COLOR	CIE D65	KEY LOCK	UNLOCK	
SCREEN	AUTO	BACKLIGHT CONTROL	LINEAR	
AUDIO	[50]	BACKLIGHT	100	
SETUP		OSD ALPHA	[0]	
		RESET TO DEFAULT		
		BACKUP USER CONFIG		
		RESTORE USER CONFIG		

19.1 RETURN

Return to Level 1 menu

19.2 FORMAT DISPLAY

- **AUTO** – Displays detected video format approx. 5 sec.
- **ON** – Displays detected video format always.
- **OFF** – Does not display detected video format.

Default value is **AUTO**.

19.3 POWER SAVE

Enables/Disables power consumption control when there is no valid video signal.

- **ALWAYS ON** – Does not control power saving.
- **OTHER** – Waits for selected period until it goes to sleep.

Default value is **ALWAYS ON**.

Wakes up at any key input or valid video input signal.

19.4 KEY LOCK

Prohibits OSD key operation except MENU key.

19.5 BACKLIGHT CONTROLS

Controls whether the brightness controls are linear or inverse.

19.6 BACKLIGHT

Controls backlight at range from 0 to 100%.

Default value is 80%.

19.7 OSD ALPHA

Controls transparency of OSD menu at range from 0 to 6.

[Opaque] 0 ~ 6 [Transparent]

Default value is **0**.

19.8 RESET TO DEFAULT

Restores all settings back to factory standard.

Requires dual confirmation.

19.9 BACKUP USER CONFIG

Backs up current setting at where it can be retrieved later.

19.10 RESTORE USER CONFIG

Restores backed up setting from where user saved for the last time.

20.0 EMC Compliance

The CueScript CSF15 series prompter monitors 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)

21.0 CE Declaration



The CueScript CSF15 prompter monitors 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.

22.0 SAFETY INFORMATION

The CueScript model CSF15-SDI 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.

