CueScript

A WAY WITH WORDS...

Installation and Operation Manual

Next Generation On-Camera Prompter Displays

Model EMC 15” & 17” Prompters

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I. CueScript CS-EMC 15 and 17” 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 quick, no-tools required, mounting system instantly installs the prompter to the mount.

The CueScript CS-EMC 15 and 17 monitors have standard Brightness LED edge-lit screens and deliver superb picture quality.

II. CueScript EMC Series Prompter Features

- Unique quick mount system for simple installation.
- Aluminium 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.
- Backlit LED pushbuttons for ease of operation.

III. Display Technical Specifications

Model CS-EMC 15

Screen Size	15.0 inch diagonal
Display Area	304.128(H) x 228.096(V)mm
Native Resolution	1024 x 768 (XGA)
Brightness	400 cd/m2
Contrast Ratio	700:1
Viewing Angle	160°(H), 140°(V)
Backlight Technology	LED

Model CS-EMC 17

Screen Size	17.0 inch diagonal
Display Area	337.92(H) x 270.336(V)mm
Native Resolution	1280 x 1024 (SXGA)
Brightness	350 cd/m2
Contrast Ratio	800:1
Viewing Angle	170°(H), 160°(V)
Backlight Technology	LED

IV. Signal Inputs

All CueScript EMC series 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 PAL, NTSC, or SECAM Video**
- **VGA**
- **DVI**

V. Power Requirements

CueScript EMC series prompter monitors are powered with 12 VDC. The maximum power consumed is a follows:

DC 12V	**3.0A (36W)**

VI. Dimensions

Outside Dimensions:

Model CS-15: 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. 5.2 Lb.

Model CS-17: 396 mm W x 341 mm H x 68 mm D (15.574" W X 13.43" H X 2.67" D)
Weight: 5.00 kg. 6.8 Lb.

VII. Environmental

All CueScript EMC series 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**

VIII. Routine Maintenance

All CueScript EMC series 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.

IX. Installation

A. 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.

B. Installation Requirements

The following requirements should be observed when installing a CS-EMC 15, 17" 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 and cord supplied with the unit. Connect the cord to a grounded AC mains outlet.

- EMC and Safety Compliance: CS-EMC 15 and 17" 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.

X. Connectors

A. DC Power

The CueScript prompters require a regulated source of 12 VDC that should be capable of supplying approximately 3 amperes. Alternatively, a battery with sufficient capacity may be used.

Prompter Connector type: 2.5mm X 5.5mm Male coaxial plug
Mating (cable) connector: 2.5mm X 5.5mm Female coaxial socket

Pin	Description
Outer Shell	GROUND (connected to monitor chassis)
Center Pin	+12V DC

Power Consumption Tables

Model CS-EMC 15	Power Consumption @ 12 VDC
	1.3A / 15.6 Watts

Model CS-EMC 17	Power Consumption @ 12 VDC
	1.9A / 22.8 Watts

B. Composite Video In Out

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

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

NOTE: The video input is terminated in 75 Ohms.

C. VGA In

Description: CueScript EMC series 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.

D. USB Out

Provides a .5A source of 5 VDC to power accessories.

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

Pin	Description
1	+5 VDC
2	n/c
3	n/c
4	Ground

XI. Operation

A. Control Panel

There are 7 buttons on the right side of the prompter. All of these buttons are illuminated and all 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.

B. Power Button

Pressing the power button will turn the monitor on. To turn the monitor off, you must press and hold the power button until the monitor turns off.

C. Rotate Button

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.

D. 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:

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**

DOWN ARROW

- **Moves the OSD selection DOWN one item**

UP ARROW

- **Moves the OSD selection UP one item**

RIGHT ARROW (+)

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

LEFT ARROW (-)

- **Decrements the OSD item value**

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

E. 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:

- **Switch Brightness**
- **Switch Brightness Delay**

To adjust any of these settings, proceed as follows:

A. **Press and HOLD the Menu button for 5 seconds or more.**

B. **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.**

C. **When you find the menu option you want to change, press the right arrow.**

D. **Adjust the option item value by pressing the Up or Down arrow button.**

E. **When the menu option is set, press the right arrow to store it.**

F. **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.**

G. **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.**

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 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.

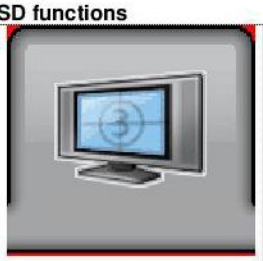
When in the CueScript menu mode, no control of the backlight brightness, input selection, Backlight Cut or Dim, or rotation is possible.

F. 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.

OSD functions



Picture :

Volume[###] — Increase/decrease volume level, total: 100 steps

Brightness — Increase/decrease panel brightness level, total: 100 steps

Contrast — Increase/decrease panel contrast level, total: 100 steps

Saturation — Increase/decrease saturation, total: 100 steps

Hue ** — Increase/decrease Hue level, total: 100 steps

Sharpness* — Increase/decrease sharpness, total: 30 steps

Position[##]

Move the image position upward

Move the image position downward

Move the image position to the left

Move the image position to the right

Backlight — Backlight brightness adjustment (Functions when light detector sets OFF)

Aspect / Size

- Fill Screen : Enable full screen expansion for lower resolution Image
- Fill to Aspect Ratio: Enable fill screen expansion for lower resolution image according to aspect ratio
- 4 : 3 : scaling format in 4:3
- 16 : 9 : scaling format in 16:9
- 16 : 10 : scaling format in 16:10
- 2.35 : 1 : scaling format in 2.35:1
- 2 : 1 : scaling format in 2:1
- 1 : 1 : Display the exact image resolution on the screen without image expansion.
- Custom Sizing[####] :
  - Overscan
  - Normal
  - Custom
    - H Size
    - V Size
    - H Pan
    - V Pan

Blue Only — OFF / ON — ON / OFF : Turn off the "Red" & "Green" channel (i.e. output all zero to Red & Green channel)

[This function will display on OSD menu when JP4 – 5-6 closed]

* : DISPLAY IN VIDEO MODE ONLY

** : FUNCTION IN ARGB/ DVI / VIDEO NTSC MODE ONLY

: DISPLAY IN ARGB / DVI MODE ONLY

: FUNCTION IN ARGB MODE ONLY

: DISPLAY WHEN AUDIO ADD-ON BOARD CONNECTED

: DISPLAY IN VIDEO / HD/SD SDI 1 / HD/SD SDI 2 MODE ONLY

Input : Select the input video signal

HD/SD SDI 1
HD/SD SDI 2***
VGA#
DVI
HD Component
Composite 1
Composite 2***
S-Video
SD Component

: Press "-" key to activate the "Auto Picture Setup" function.

PIP Setup ▸
PIP Source ▸
HD/SD SDI 1 / HD/SD SDI 2 / VGA / DVI / HD Component / Composite 1 / Composite 2 / S-Video / SD Component / Off

PIP Size : Off / Small / Medium / Large / PBP
4 possible input groups that can be mixed for PIP :
a) VGA/HD-Component
b) DVI
c) HD-SDI
d) Composite/S-Video/SD-component
It can not allow to select signal source from the same group for PIP.
[See Appendix VII – PIP mix table]

PIP Position :

 Move the PIP position upward

 Move the PIP position downward

 Move the PIP position to the left

 Move the PIP position to the right

PIP Swap : Swap between the main window and PIP window

PIP Auto off :  : OFF / ON
ON : When PIP is no signal input after 30 seconds, the PIP window will turn off automatically.
OFF : PIP window keeps on
*** DISPLAY WHEN SETTING ON UNDER SETUP → AUTO SOURCE SEEK

Utilities :

Setup ▸
Auto Picture Setup# : Auto adjust the image position, phase and size
Auto Color Gain## : Auto Color Calibration (See appendix IV)
Wide Screen Mode detection# ▸ : Recognize the wide screen mode coming from ARGB port
- Off
- 1280x768
- 1366x768

Manual Clock## :  Adjust the image horizontal size
Manual Phase# :  Fine tune the data sampling position (adjust image quality)

Auto Source Seek :
- Auto :  : OFF / ON
ON – Auto source select always enable
OFF – Disable auto source select function
- Setup ▸ Selection for the corresponding input sources detection

HD/SD SDI 1 
HD/SD SDI 2
VGA 
DVI 
HD Component 
Composite 1 

Composite 2 

S-Video 

SD Component 

The corresponding input port name display on OSD menu will disappear once setting "OFF".

De-interlacing Mode* ▸

AFM  : Auto Film Mode

TNR  : Temporal Noise Reduction

MADI  : Motion Adaptive De-interlacing

LADI  : Low Angled De-interlacing

[See Appendix VI for AFM, TNR, MADI, LADI function description]

Auto Power :  OFF / ON

ON – Enable soft power off function if absence of input signals

OFF – Disable soft power function

Video Standard (SD)* : Auto / NTSC / NTSC 4.43 / PAL / PAL M / SECAM

Image Orientation : Normal / Horizontal flip / Vertical flip / Rotate

Gamma : 1.0 / 1.6 / 1.7 / 1.8 / 1.9 / 2.0 / 2.1/ 2.2 / 2.3 / 2.4 / 2.5 / 2.6 / User Setting

OSD ▸

OSD position :

H POS  : Move the OSD menu image horizontally

V POS  : Move the OSD menu image vertically

OSD Timeout (sec) : ON – 60 : Adjust the OSD menu timeout period in a step of 5 seconds (max 60 seconds)
ON = Continuous to display OSD menu.
60 = 60 seconds later will turn off the OSD menu.

Language : English / Chinese : Select OSD menu language display

Display Input :  ON / OFF : Display input port name when source switching

Transparency :  ON / OFF : Set OSD transparency

Freeze : Freeze the image (use "+" button)

Zoom ▸

Zoom level :  : Enable the zoom in function on the image displayed.
Use "+" button to zoom in the image
Use "-" button to decrease the zoomed image

Horizontal pan :  : Pan the image horizontally

Vertical pan :  : Pan the image vertically

Reset to Defaults : Restore to default values

Note : Freeze state will be cleared when you using zoom function.

Color Temperature ▸

5000K

R Gain : 

G Gain : 

B Gain : 

Reset to Defaults : Resume to the default values

6500K

R Gain : 

G Gain : 

B Gain : 

Reset to Defaults : Resume to the default values

8000K

R Gain : 

G Gain : 

B Gain : 

Reset to Defaults : Resume to the default values

9300K

R Gain : 

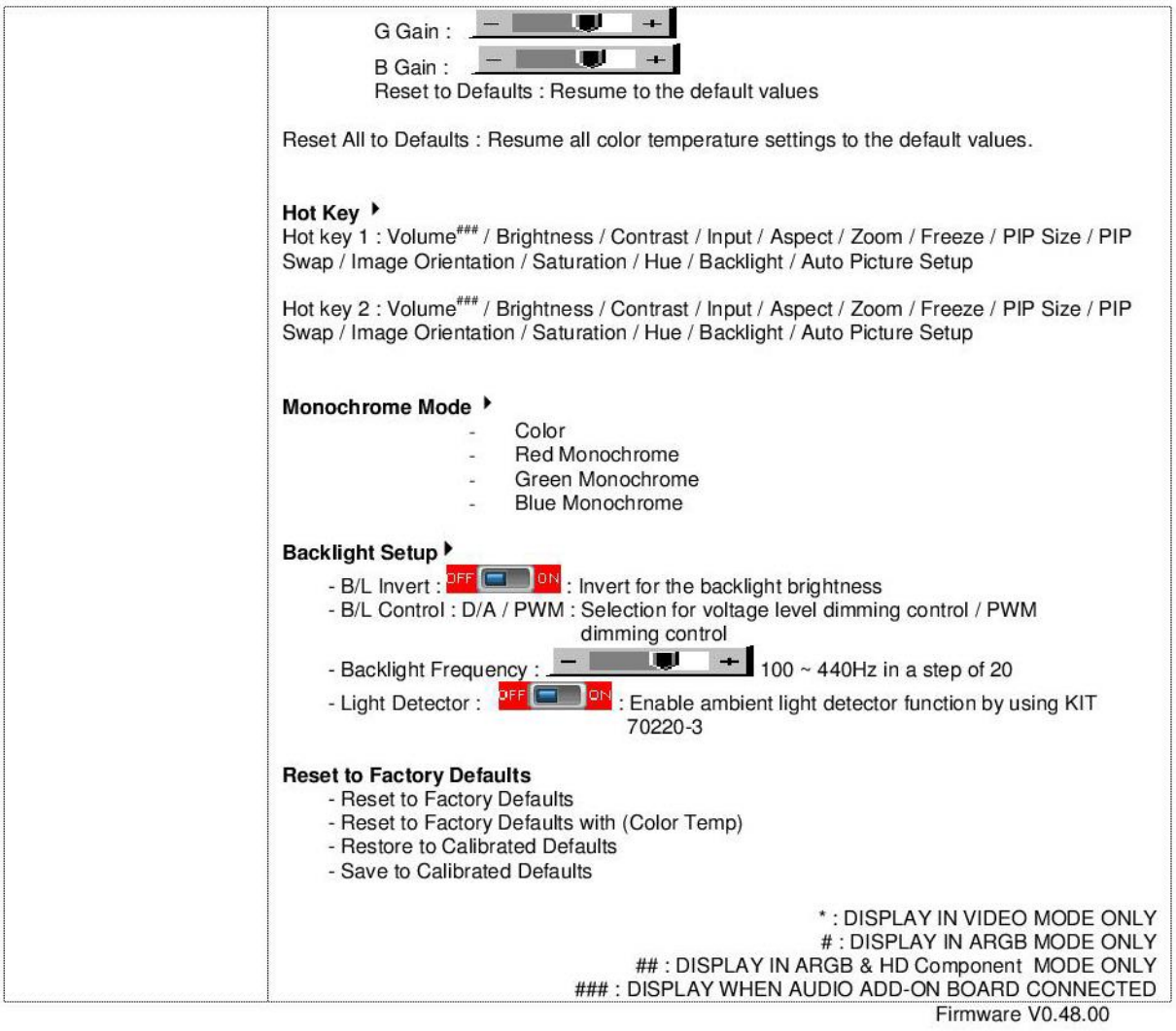
G Gain : 

B Gain : 

Reset to Defaults : Resume to the default values

User setting :

R Gain : 



G. EMC Compliance:

The CueScript CS-EMC 15" and 17" 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)

H. CE Declaration:

The CueScript CS-EMC 15” and 17” prompter monitors and 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.

I. SAFETY INFORMATION:

The CueScript model CS-EMC 15” and 17” 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.

Warnings:

The following warning symbol appears on the underside of the CueScript supplied external power supplies:

CAUTION:

DO NOT OPEN RISK OF ELECTRIC SHOCK.

The CueScript prompters utilize external switching power supplies which inherently have high voltages appearing within the circuitry. Specialized equipment and skill is required to service this equipment. Do not attempt to open the power supply case.

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

NOTES:

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Rev B, 11/17/14

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