



Manufacturer: Panasonic
Model: CQE1 & EQ1
Device Type: Professional Displays

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GENERAL INFORMATION

Q-SYS PLUGIN NAME:	Panasonic Professional Displays
VERSION:	1.1
AUTHORED BY:	QSC
SUMMARY:	<p>This Q-SYS Plugin controls limited functionality of the supported display models.</p> <p>Models include:</p> <ul style="list-style-type: none">- CQE1- EQ1
GENERAL NOTES:	<ul style="list-style-type: none">• This plugin can communicate over TCP/IP or a Serial connection depending on which is chosen in the design-time properties.• IMPORTANT: If you are controlling any of the supported displays via TCP/IP, Protocol2 must be selected in the display's communication settings. An administrator username and password MUST be set and used in the plugin.• ALSO IMPORTANT: Panasonic Displays, depending on the model, may be inoperable for a certain amount of time after the display is powered on or powered off. We recommend waiting at least 30 seconds after the display is powered on before attempting to power off a display via the plugin. This 30 second interval would also apply to attempting to powering on a display after it has been powered off. This interval may vary from one display to another, so discretion must be used on a case-by-case basis.• On certain displays, the Power settings must be set a certain way to ensure the power can be turned back on via TCP/IP. It is recommended to turn power saving modes off and enabled extended standby mode if available.• To drop this plugin into your Q-SYS Design, navigate to the Asset Manager in Q-SYS Designer, locate the plugin, and install it. It will then be available in the 'Schematic Elements' window under Plugins>Asset Manager>Panasonic>Professional Displays.
DEVICE USED FOR TESTING	QSC Q-SYS Core 110f (9.2.1)

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INITIAL SETUP

PROPERTIES

Display Model: Allows user to select which model display would like to control.

Connection Type: Depending on what is supported by the selected model, the user can choose the connection type. Typically, the options are TCP/IP and Serial

Poll Interval: The time between polling cycles.

Professional Displays Properties	
Display Model	EQ1
Connection Type	TCP/IP
Poll Interval	30
Show Debug	No

ESTABLISHING CONNECTION

TCP/IP: All required fields must be populated in order for a connect to be made. If the display model requires a username and password, those must be entered as well.

Serial: The serial connection only requires the connection between this plugin block and the core's Serial Port block. If you are using 'Display ID' functionality, this must be enabled in the plugin.

Once all required fields are setup, the plugin will automatically try to connect and initialize.

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IMPORTANT: Depending on which display model and communication mode is selected, some of the controls below may not be available.

PLUGIN CONTROLS (SETTINGS)

IP Address	Set to the target IP address of the display.
Port	Set to the target command port of the display. The control will be populated with the default port if applicable.
Username	Set to the administrator username of the display. (Remember: For TCP/IP control, LAN Protocol 2 must be set on the display).
Password	Set to the administrator password of the display. (Remember: For TCP/IP control, LAN Protocol 2 must be set on the display).
Display ID	Set to the display ID of the display you wish to control.
Display ID Enable	Enables the plugin to format commands to target whichever Display ID has been set. This also needs to be enabled on the display itself.
Reset Serial	Resets the serial connection by closing the port and re-opening it.
Disable	Set high to disable plugin.

PLUGIN CONTROLS (STATUS)

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Status	Displays the overall status of the plugin. This will alert you if the plugin has encountered an error or if the plugin is ready to use.
Display Name	Displays the local name of the display.
Model Name	Displays the model name of the display.
Serial Number	Displays the serial number of the display.
Software Version	Displays the software version of the display.

PLUGIN CONTROLS (POWER)

Power On	Pulse to power on display.
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Power Off	Pulse to power off display.
Power Status	High indicates the display is powered on. Low indicates the display is powered off.

PLUGIN CONTROLS (INPUT)

< Input Name >	Pulse input for the display to show. Selected input will remain high. Available inputs will vary depending on display model.
Current Input	Displays the current input.

PLUGIN CONTROLS (VOLUME)

Volume Up	Pulse to raise volume of display.
Volume Down	Pulse to lower volume of display.
Volume Level	Set to desired volume level. Fader will reflect display's current volume.
Volume Mute	Toggle to mute or unmute the display.

PLUGIN CONTROLS (DEVICE FUNCTIONS)

Video Mute	Toggle to mute or unmute the video.
Button Lock	Toggle to lock or unlock the display's buttons.



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ADDITIONAL INFORMATION

Change Log	v1.0 – Initial Release v1.1 – Fixed bug that prevented IP addresses with a zero octet.
Support	Company: QSC Website: https://www.qsc.com/systems/contact-us/