



Integration Note

Manufacturer:	Ethereal
Model Number(s):	CS-44M, CS-88M, CS-44MHDBTS, CS-8MHDBTS
Core Module Version:	g! 8.2
Comments:	
Document Revision Date:	02/09/2019

OVERVIEW AND SUPPORTED FEATURES

The Ethereal CS-xxMxxxxx is a 4k HDMI matrix switcher, with audio de-embedding, scaling and delay.

The Elan g! system communicates with the matrix via either RS232 or Ethernet, with full two-way support for control and feedback.

THE FOLLOWING FEATURES ARE SUPPORTED BY THE ETHEREAL MATRIX (DEPENDING ON MODEL):

- Discrete video input/output selection with separate audio output selection if required.
- Video mode control.
- Image enhancement control.
- Audio delay settings.

THE FOLLOWING FEATURES ARE NOT SUPPORTED BY THE ETHEREAL MATRIX:

- Discovery of devices.

Any feature not specifically noted as supported should be assumed to be unsupported.

ETHEREAL CONFIGURATION

It is recommended that the matrix is installed and configured by a suitably qualified engineer, prior to integration with this driver. To avoid the possibility of communication problems, the matrix should be configured with a static IP address (rather than using DHCP).

NOTE: The CS-xxMxxxxx will only allow one telnet connection at any one time. Ensure no other control devices are attempting to connect to it via Telnet.

g! CONFIGURATION

The release package contains 4 driver files:

<i>ethereal_CS-44M_ip.EDRVC,</i>	<i>ethereal_CS-88M_rs232.EDRVC,</i>
<i>ethereal_CS-44MHDBTS_ip.EDRVC,</i>	<i>ethereal_CS-88MHDBTS_rs232.EDRVC,</i>

for IP and serial control of matrices.

It is recommended that you follow the below installation process to ensure you are running the latest version of the driver.

1. Obtain the latest version of the driver, as described above, and ensure you know the location of the extracted EDRVC driver files on your computer's hard drive.
2. Right click on the **Zone Controllers** heading and select **Add New Zone Controller**.
3. From the **Add New Zone Controller** window, choose **Search Folder** and navigate to your driver location, before clicking **OK**.

The upgrade location is now set.

4. Select the driver you require and click **OK**. The driver will be added underneath the Configurator **Zone Controllers** heading.

As the upgrade location is now set (step 3), for any future driver release you can update the driver by selecting the driver under the Zone Controllers heading, and on the driver screen click on **Update Driver**. The installed version of the driver will be overwritten.

g! CONFIGURATION DETAILS

The following table provides settings used in Configurator when connecting to the matrix. Please refer to the Configurator Reference Guide for more details. In the table below:

- “<User Defined>”, etc. Type in the desired name for the item.
- “<Auto Detect>”, etc. The system will auto detect this variable.

Devices	Variable Name	Settings (Ethernet)	Settings (Serial)
Communication Devices	Name	*Not Applicable*	<User Defined>
	System #	*Not Applicable*	<Auto Detect>
	Device Type	*Not Applicable*	*Not Applicable*
	COM Port	*Not Applicable*	<Select from list>
	Protocol	*Not Applicable*	<Auto Detect>
	Baud Rate	*Not Applicable*	<Auto Detect>
	Flow Control	*Not Applicable*	<Auto Detect>
	Parity	*Not Applicable*	<Auto Detect>
	Data Bits	*Not Applicable*	<Auto Detect>
	Stop Bits	*Not Applicable*	<Auto Detect>
Zone Controllers	Name	<User Defined> (Default: <Auto Detect>)	<User Defined> (Default: <Auto Detect>)
	System #	<Auto Detect>	<Auto Detect>
	Driver Version	<Auto Detect>	<Auto Detect>
	Driver Vendor	Janus	*Not Applicable*
	Device Type	Ethereal 4x4 CS-44M ip	*Not Applicable*
	Debug Level	<User Defined>	<User Defined>
	Debug Subsystems	<User Defined>	<User Defined>
	IP Address	<User Defined>	*Not Applicable*
	Port	<User Defined> (Default: 23)	*Not Applicable*
	Communication Device	*Not Applicable*	*Not Applicable*
Sources	System #	<Auto Detect>	<Auto Detect>
	Source Device	<Select from list>	<Select from list>
	Display Icon	<Select from list>	<Select from list>
	Source Volume	<Auto Detect>	<Auto Detect>
	Display Name	<User Defined>	<User Defined>
Zones	Name	<User Defined> (Default: <Auto Detect>)	<User Defined> (Default: <Auto Detect>)
	System #	<Auto Detect>	<Auto Detect>
	Universal Receiver	<Select from list>	<Select from list>
	Display 1	<Select from list>	<Select from list>
	Display 2	<Select from list>	<Select from list>
	Slave Zone 1	<Select from list>	<Select from list>
	Slave Zone 2	<Select from list>	<Select from list>
	Turn On Source	<Select from list>	<Select from list>
	Hide Volume	<Select from list>	<Select from list>
	Matrix Only	<Select from list>	<Select from list>
	Audio Return Input	<Select from list>	<Select from list>

COMMON MISTAKES

1. Not ensuring no other devices are attempting to connect to the matrix via telnet.