



Operating Instructions & Installation Guide

ECLIPSE

Supplement for Release 1.09

Please read these instructions completely before attempting to operate this equipment.

About this Manual

Information in this document is subject to change without notice and does not represent a commitment on the part of ROSCO/Entertainment Technology.

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This manual covers the following products:

ECLIPSE Release 1.09

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Software release 1.09 adds support for a hand-held Focus Terminal to the ECLIPSE feature set. This new functionality expedites focus calls and simplifies dimmer checks.

Since the Focus Terminal connects to the already utilized ECLIPSE RS-232 port, new mode settings have been added for this port. The Set-up Menu now contains options to allow setting of the serial port mode.

Focus Terminal Functions

The ECLIPSE hand-held Focus Terminal is designed to be carried throughout a facility for use by lighting designers and technicians during focus calls and dimmer checks. It allows the operator to select DMX512 dimmers singly or in groups and turn them on for adjustment or maintenance purposes. It also allows the selected dimmers to be set to any level from 00 to full. Standard list editing commands facilitate data entry.

Changes to the Setup Menu

The Setup Menu in Release 1.09 has been restructured to accommodate functions required by the Focus Terminal. In particular, the functions "Clear System" and "Default Patch" have been moved to a new sub-menu, and a new Focus Terminal sub-menu has been added for its functions.

Upgrading

Depending on the age of your ECLIPSE console, upgrading to support the Focus Terminal requires the following:

If upgrading from Release 1.08:

- ECLIPSE Hand-held Focus Terminal.
- RS-232/RS-422 Protocol Converter.
- Release 1.09 software upgrade disk.
- This user's guide supplement.

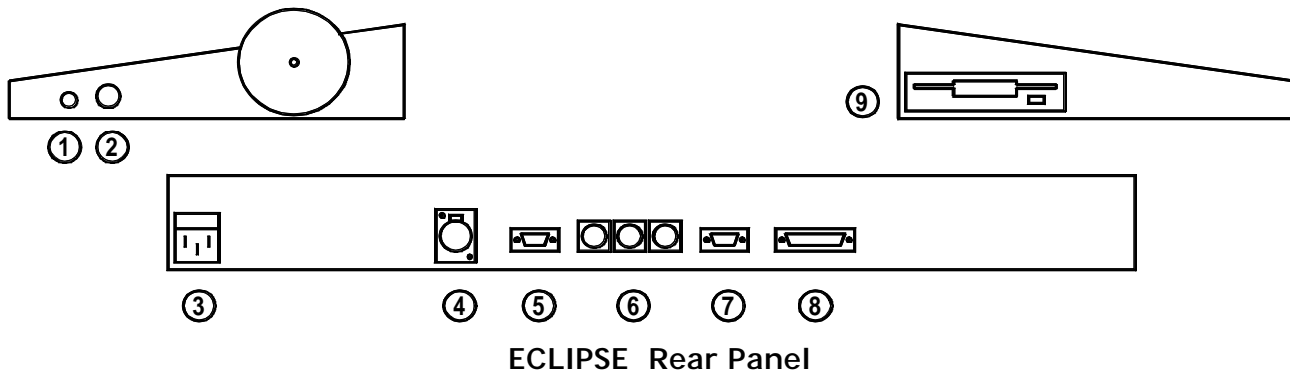
If upgrading from a Release prior to 1.08:

- ECLIPSE Hand-held Focus Terminal.
- RS-232/RS-422 Protocol Converter.
- Release 1.09 software upgrade disk.
- ECLIPSE BIOS EPROM Version 1.2
- ECLIPSE User's Guide for Release 1.08
- This User's Guide supplement.

Review the topic "Using the System Maintenance Menu" in Section III of the Release 1.08 user's guide for information about updating the main program from disk.

If you are also updating your BIOS EPROM, follow the instructions packaged with the EPROM for information on how to change this part.

Connecting the Focus Terminal

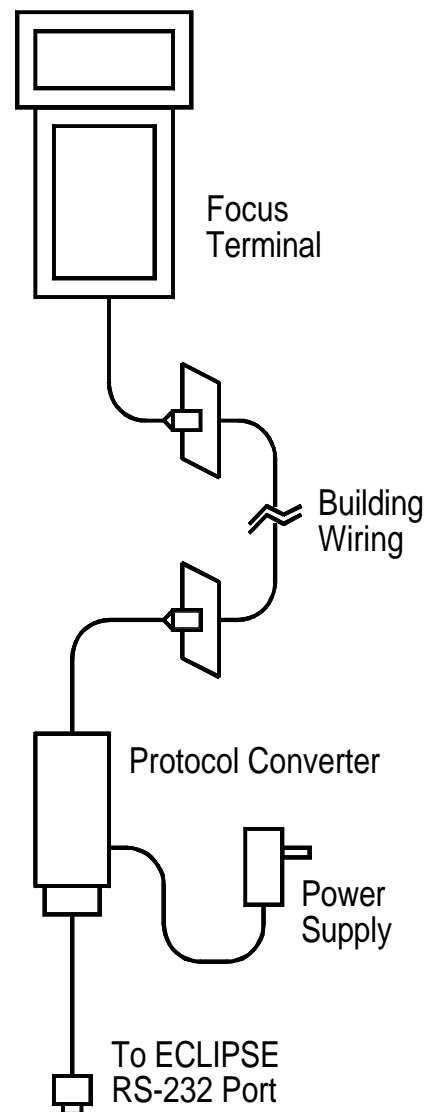


Connecting the Focus Terminal

The Focus Terminal connects to the ECLIPSE console's RS-232 Serial Port via a protocol converter. This adapter converts the console's RS-232 signals to RS-422 which is better suited for use over long cable lengths.

To connect the Focus Terminal, perform the following steps:

- Connect the protocol converter to the ECLIPSE RS-232 port (Item ⑦ in the above drawing) with a serial data cable. This cable has a 9 Pin 'D' connector on the ECLIPSE end and a 25 Pin 'D' connector on the converter end.
- Connect the protocol converter to the Focus Terminal's building wiring with the cable provided.
- Plug the protocol converter's power supply into a 120 VAC utility outlet.
- Connect the Focus Terminal to the building wiring with the cable provided.



Focus Terminal Hook-up

Setting Menu Options

New Structure of the Setup Menu

To accommodate the functions required by the Focus Terminal, the ECLIPSE Setup Menu has been re-worked to have two new sub-menus as described below:

F1 - CRT Type

Goes to the CRT Type sub menu. This sub-menu is identical to that in previous ECLIPSE releases.

F2 - Set-Up System

Goes to the new Set-Up System sub-menu. This sub-menu contains functions which were previously in the top level Setup menu.

F3 - Focus Term.

Goes to the new Focus Terminal sub-menu. This sub-menu contains new functions required by the Focus Terminal.

Set-Up System Menu

F1 - Clear System

This function was assigned to F2 in the top-level Setup menu of previous ECLIPSE releases.

F2 - Default Patch

This function was assigned to F3 in the top-level Setup menu of previous ECLIPSE releases.

Focus Terminal Menu

F1 - Enable Focus

This function enables the Focus Terminal to control the console's dimmer outputs. It initializes the RS-232 serial port, transmits the basic screen layout to the Focus Terminal, and disables Host Computer Interface (HCI) operation.

F2 - Disable Focus

This function cancels Focus Terminal operation and re-enables the Host Computer Interface.

NOTE: ECLIPSE always powers-up with the Focus Terminal disabled and HCI operational. This ensures that automated systems run correctly without operator attention at power-up. If a Focus Terminal is being used in a system along with HCI show control, a commercially available RS-232 switch box may be placed in line with the ECLIPSE serial port.

Using the Focus Terminal

Overview

The ECLIPSE Focus Terminal is a hand-held device which facilitates focus calls and dimmer checks. With it, electricians may call up dimmers in any combination and turn them on for focus or maintenance activities. The Focus Terminal directly addresses dimmers, bypassing any channel levels or patch. Its command structure is simple and closely tailored to the tasks of focusing lamps and adjusting dimmers.

Simply put, the Focus Terminal allows the operator to type in a list of dimmers, and either Add them to the focus look, or to Kill them. Several keys facilitate the editing of the dimmer list, and additional functions are provided to Kill all of the dimmers and to perform a sequential dimmer check. All dimmers which are added to the focus look are set to the focus level. Focus Terminal keystrokes allow the focus level to be set to any value from 00 to Full.

Keystroke Definitions

The following paragraphs summarize the Focus Terminal's operation by describing the function of each key:

Number Keys

Used to enter dimmer numbers into the Dimmer List.

F1-And

Used to enter the 'And' operator into the Dimmer List.

F2-Thr

Used to enter the 'Thru' operator into the Dimmer List.

F3-Clr

Clear the Dimmer List. This command is echoed in the display as "Clr List" and will beep if the bell is enabled.

SPACE

Backspace in the Dimmer List.

→

Replace the list with the next highest dimmer number.

←

Replace the list with the next lowest dimmer number.

ENTER

Add the listed dimmers to the focus look. This command is echoed in the display as "Add" and will beep if the bell is enabled.

DEL

Kill the listed dimmers. This command is echoed in the display as "Kill" and will beep if the bell is enabled.

F4-Rst

Kill all dimmers and clear the Dimmer List. This command is echoed in the display as "Kill All" and will beep if the bell is enabled.

↑

Increment the Focus Level.

↓

Decrement the Focus Level.

(SHIFT ↑)

Set the Focus Level to Full.

Using the Focus Terminal

* (SHIFT ↓)

Set the Focus Level to Zero.

ESC

Dimmer Check. This key Kills whatever is in the Dimmer List, advances to the next highest dimmer number, and adds that dimmer to the focus look. It is functionally identical to pressing 'DEL', '→', 'ENTER'. This command is echoed in the display as "Check" and will beep if the bell is enabled.

. (Period)

Toggle the Bell enable. If the exclamation point character is shown

in the upper right corner of the Focus Terminal display, the terminal will beep each time a command key is pressed. If the exclamation point is not shown, the terminal will be silent.

, (Comma) (SHIFT .)

Initialize the Focus Terminal. This key causes the ECLIPSE to re-initialize the Focus Terminal. The display is re-drawn, key repeat options are set, etc. This function should be used when the terminal is first plugged in and whenever it is moved from one location to another.

All other keys on the Focus Terminal have no function.

Sample Dialog

Electrician Calls:	Operator Presses:	List Contains:	Lights On:
"Give me 21"	2 1 ENTER	21	21
"Kill that. Give me 23"	DEL 2 3 ENTER	23	23
"Add 21"	2 1 ENTER	21	21+23
"Add 25"	2 5 ENTER	25	21+23+25
"Take them down a little"	↓ <i>(Hold for repeat)</i>	25	21+23+25
"OK, Kill all that. Give me 30"	F4 3 0 ENTER	30	30
"Add 31"	→ ENTER	31	30+31
"Add 10 thru 12"	1 0 F2 1 2 ENTER	10-12	10+11+12+30+31
"Lets step thru these. 10"	F4 1 0 ENTER	10	10
"11"	ESC	11	11
"Next"	ESC	12	12
"Next"	ESC	13	13
etc.			
"That's good. Shut it down"	F4	<empty>	none

Cables, Connectors, & Protocols

ECLIPSE

RS-232 Port

Type	9-Pin "D" Male
Pin 1	DCD Input
Pin 2	RX Data
Pin 3	TX Data
Pin 4	DTR Output
Pin 5	Ground
Pin 6	DSR Output
Pin 7	RTS Output
Pin 8	CTS Input
Pin 9	RI Input

Settings:

9600 Baud, 8 Data Bits, 1 Stop Bit, No Parity.

Protocol Converter

RS-232 Port

Type	25-Pin "D" Female
Pin 1	Ground
Pin 2	TX Data (to terminal)
Pin 3	RX Data (from terminal)
Pin 4	RTS
Pin 5	CTS
Pin 6	DSR
Pin 7	Ground/Common
Pin 20	DTR
Pin 22	RI

RS-422 Port

Type	Cable to 6-Pin XLR Male
Pin 1	RX+ (from console)
Pin 2	RX-
Pin 3	TX+ (to console)
Pin 4	TX-
Pin 5	Power
Pin 6	Common

Focus Terminal

RS-422 Port

Type	6-Pin RJ-11
Pin 1	RX+
Pin 2	RX-
Pin 3	TX+
Pin 4	TX-
Pin 5	Power
Pin 6	Common

Wall Plates

Type	6-Pin XLR (Female for inlet, Male for outlets)
Pin 1	RX+ (from console)
Pin 2	RX-
Pin 3	TX+ (to console)
Pin 4	TX-
Pin 5	Power
Pin 6	Common

Cables

Eclipse to Protocol Converter

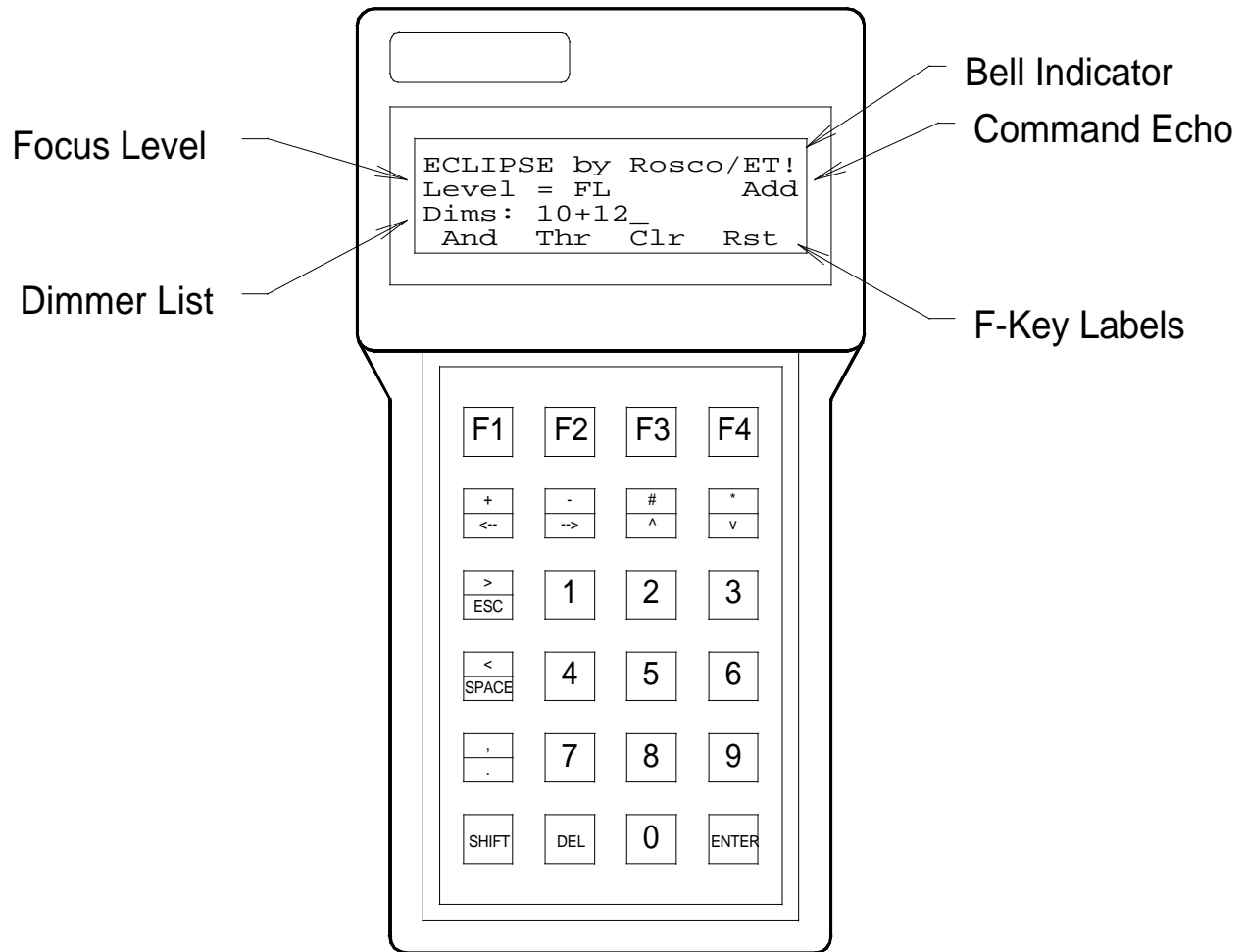
Standard PC-AT Serial Modem Cable.
9-Pin "D" Female at console end, and 25-Pin "D" Male at protocol converter end.

Wall Plate to Focus Terminal

Custom 6-wire cable.

6-Pin XLR Female at Wall Plate end, and 6-Pin RJ-11 at Focus Terminal end.

Focus Terminal Features





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