GENERAL INFORMATION

APPLICATIONS	Broadway
	Professional / regional theatre
	Opera and dance
	Broadcast studio
	Tour shows
	Convention hall
FEATURES	Tracking operation
	ETCNet2 support
	Moving light control
	Spreadsheet editing
	Scroller support
ACCESSORIES	Video Node
	DMX Node
	Remote Focus Unit (RFU)
	Wireless Remote Focus Unit (WRFU)
	Obsession Offline
	Fileserver
SYSTEM CAPACITY	8,192 DMX512 dimmers
	750, 1,536, or 4608 control channels
	1,000 cues
	999 groups / focus groups
	100 moving light libraries
	999 effects
	2,000 macros
	Six pages of multi-function encoders
	X/Y trackpad
	126 simultaneous fades
	Eight physical faders
	118 virtual faders
	Full tracking backup available
	Diskette drive
	Alphanumeric keyboard

ORDERING INFORMATION

Obsession Family

Model#	Description
OBSNII - FP	Obsession II Facepanel
OBSNII - DRC	Obsession II Designers Remote Console
OBSNII - SPS	Obsession II Single Processor System
OBSNII - DPS	Obsession II Dual Processor System

Obsession II Configuration

Model#	Channels	Dimmers
DPS 750	750	8192*
DPS 1500	1536	8192*
DPS 4600	4608	8192*
SPS 750	750	8192*
SPS 1500	1536	8192*
SPS 4600	4608	8192*

*Requires one or more ETCNet2 DMX Node

SPECIFICATIONS

DISPLAY FUNCTIONS

Playback Display
- Fader status
- Cue, group and submaster lists
- Moving light fixture, library and attribute lists

Command display

Live
- Conventional, Moving light, Spreadsheet

Blind
- Conventional, Moving light, Cue list, Spreadsheet

Group
- Group list, Spreadsheet

Submaster
- Submaster list, Spreadsheet

Effect
- Effect list

Park
- Channel check and Park
- Dimmer check and Park

Patch
- By channel, dimmer or dimmer label
- Range Patching
- Proportional levels
- A/B Dimmer Doubling capability
- Moving light patch
- Personality setup
- Encoder setup

Setup

Memo

Flexichannel (displays selected or used channels)

Preview

PLAYBACK CONTROLS

Faders
- Eight timed/manual faders
- 118 virtual faders

Go button

Stop/Back button

All Manual button

Rate control button

Level/Rate wheel

Grandmaster slider

Blackout button

Submasters
- Two pages of 48 submasters with bump buttons and integral LEDs

CONTROL KEYPAD FEATURES

Command line editing

Cue Attributes
- Cues from .01 to 999.99
- Split up/down fade times
- Split wait times
- Follow time
- Link to cue or macro
- Park to fader command
- Modified rate
- Block
- Label
- Eight-part multipart cues
- Selective cue recording
- Update cue command
- Track or Cue Only recording
- Proportional range editing of channel levels in spreadsheet display
- "Replace With" instruction to range edit discrete values

Channel functions
- Lists constructed with +, – and Thru
- Undo reverses last instruction
- Proportional adjustment with level wheel
- Level sets channel to a default value
- +10 and –10 commands
- Sneak sets channel to discrete or fader level in default or specified time
- Independent channels
- Channel usage display

Group functions
- 999 groups with labels
- Proportional adjustment range editing of channel levels in Spreadsheet display
- Any cue or submaster may be used as a group

Submaster functions
- Two pages of 48 submasters with labels, timing and rate attributes
- Bump buttons may be enabled, disabled or solo
- Proportional range editing of channel levels in Spreadsheet display
- Overlapping inhibitive or additive submasters
- Bank loading of cues, groups and effects
- Programmable In/Dwell/Out fade times
- Live and programmed rate control
- Update feature to re-record and restore control

Effects function
- 999 effects with 99 steps each
- Effect start, pause, resume, fade, loop functions
- In/Dwell/Out step times
- Hi/Low levels
- In/Dwell/Out effect times
- Effects may be recorded to cues or loaded to submasters
- HTP/LTP playback options
- Range editing of effect step values and attributes
- Effect labels

Profiles
- 32 user-definable profiles, including nine prerecorded profiles
- Editable with level wheel or keypad
- Profiles may be assigned to dimmers or cues
- Profile labels

Macros
- 2,000 macros
- Macros may activate any button on the console
- Live Learn mode and blind edititing
- Macros programmable to hold for input and continue

Moving light functions
- Built-in support for moving lights and color scrollers
- Custom fixture personalities
- Gobo, color and position libraries
- Referential focus groups

Security log-in function

Multiuser
- Two full-function users
- Exclusive channel control
- Split cue list
- Three limited-function "phantom" users
- Mirror function
- Slider Allocation display
- Video expand

Show file storage
- Diskette
- Hard drive
- Remote file server
- Partial show read
- Discreet cue, group and effect read

INTERFACES

ETCNet2

ETCLink

MIDI

MIDI Show Control

SMPTE

OPTIONAL EQUIPMENT

ETCNet2 DMX Nodes

ETCNet2 Video Node

Obsession Off-Line

Full Tracking Backup

File server

Laser printer

Inkjet printer

Remote Focus Unit (RFU)
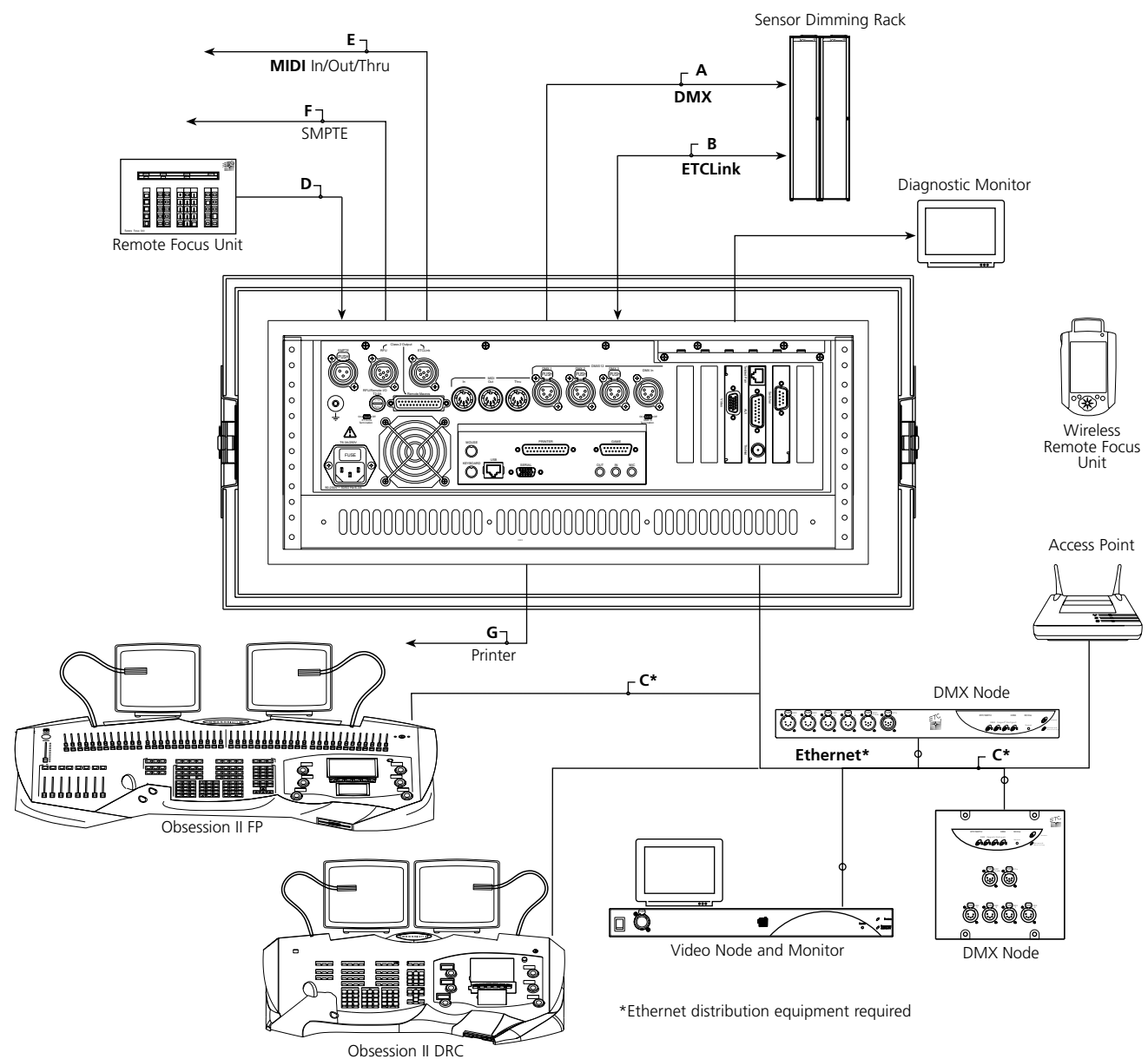
Wireless Remote Focus Unit (WRFU)

VGA flat screen 15" monitors

Note: Some available functions may be modified over the life of the product. In addition, functions not described here may also be added. In order to maintain the highest possible standards, ETC, Inc., reserves the right to change specifications without notice.
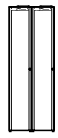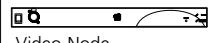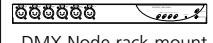
TYPICAL SYSTEM RISER DIAGRAM

E → **MIDI** In/Out/Thru

F → SMPTE

D Remote Focus Unit

A DMX → Sensor Dimming Rack

B ETCLink

Diagnostic Monitor

Wireless Remote Focus Unit

Access Point

G Printer

Obsession II FP

Obsession II DRC

C*

DMX Node

Ethernet* **C***

Video Node and Monitor

DMX Node

*Ethernet distribution equipment required

WIRING

Wire Types for Obsession II consoles with....

Device	Wire Type	
Sensor Racks	**DMX** (XLR5) (1) Belden 9729	A
	ETCLink (XLR6) (1) Belden 9729 (2) #16 AWG Stranded	B
Video Node	**Category 5** Ethernet (RJ45) (1) Belden 1583A (UTP)	C
DMX Node rack mount	**Category 5** Ethernet (RJ45) (1) Belden 1583A (UTP)	C
DMX Node wall mount	**Category 5** Ethernet (RJ45) (1) Belden 1583 (UTP) (2) #16 AWG Stranded	C

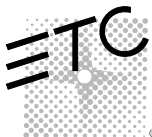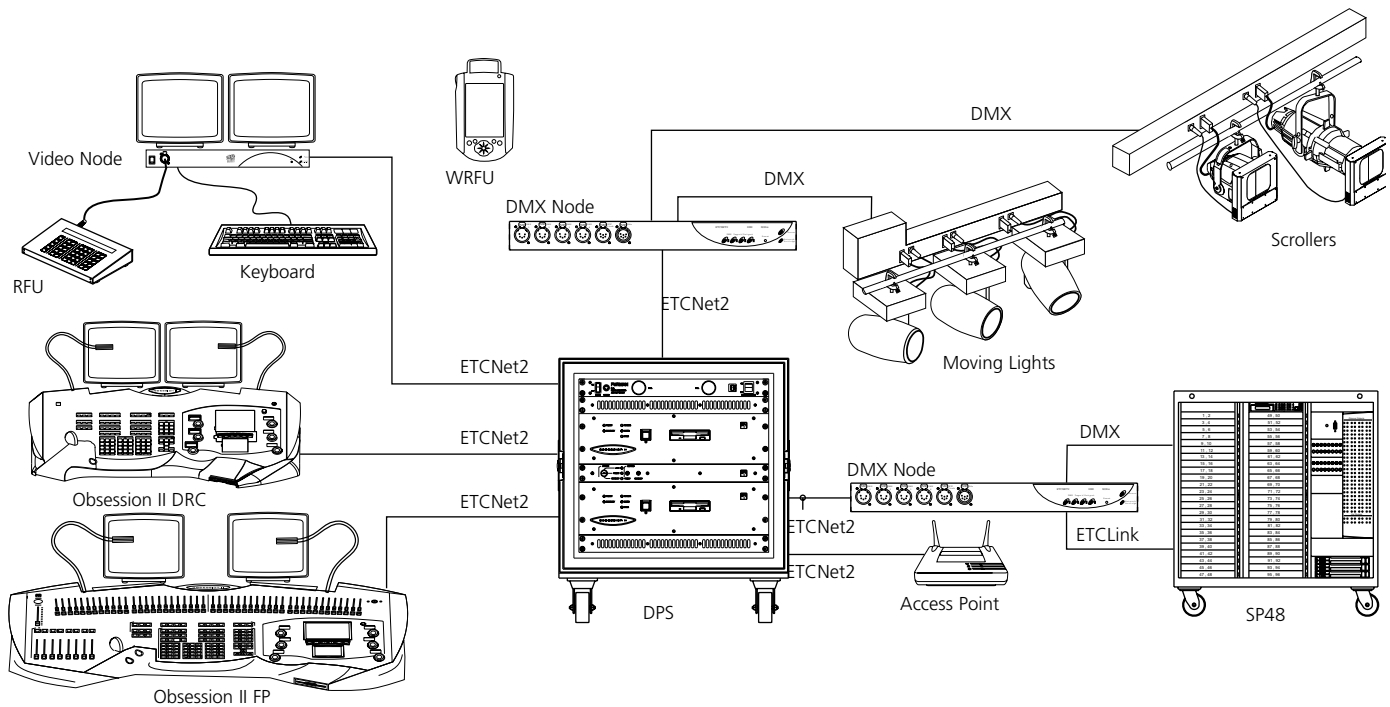| Device	Wire Type	
MIDI	Standard **MIDI** Cables 5 Pin DIN Connector	E
Remote Focus Unit	**RFU** (XLR6) (1) Belden 9728 (2) #16 AWG Stranded	D
DMX	**DMX** (XLR5) Belden 9729	A
Printer - Parallel	Standard Parallel Printer Cable	G
SMPTE	**SMPTE** (XLR3) Consult Manual or ETC Technical Services for details	F

TYPICAL INSTALLATION SYSTEM

Sensor Racks

Unison
Link
Power

ETCNet2

DMX

ETCLink

DMX Nodes

ETCNet2

ETCNet2

ETCNet2

DPS

ETCNet2

ETCNet2

RFU

Video Node

DMX

Obsession II FP

Obsession II DRC

Moving Lights

TYPICAL TOUR SYSTEM

Video Node

WRFU

DMX

DMX

DMX Node

Scrollers

RFU

Keyboard

ETCNet2

Moving Lights

ETCNet2

ETCNet2

DMX

ETCNet2

Obsession II DRC

DMX Node

ETCNet2

ETCLink

ETCNet2

Access Point

SP48

DPS

Obsession II FP