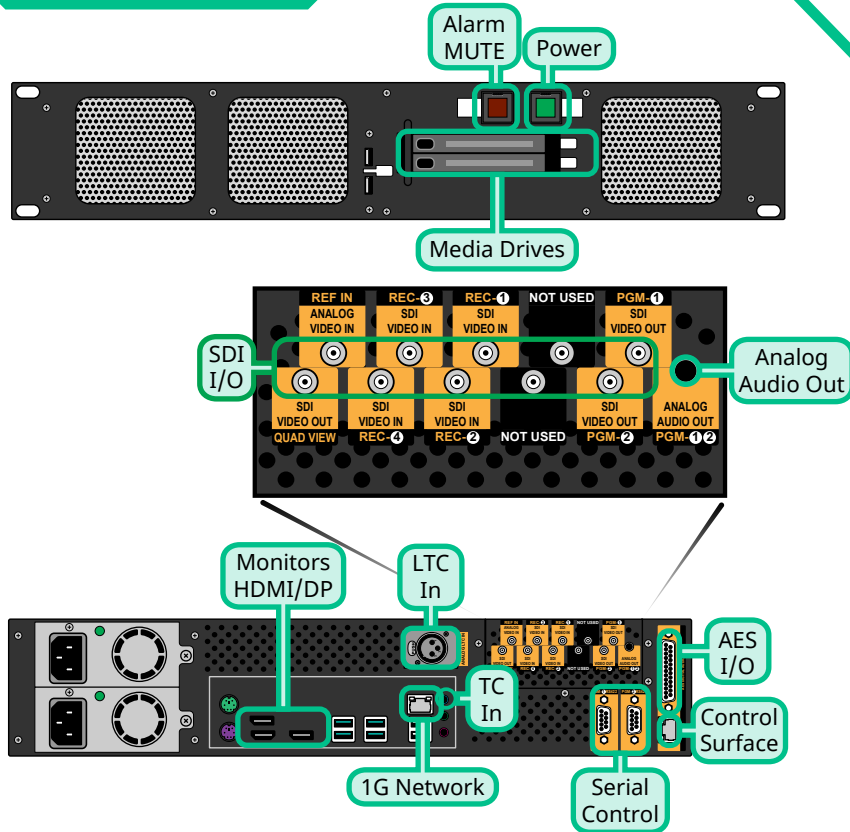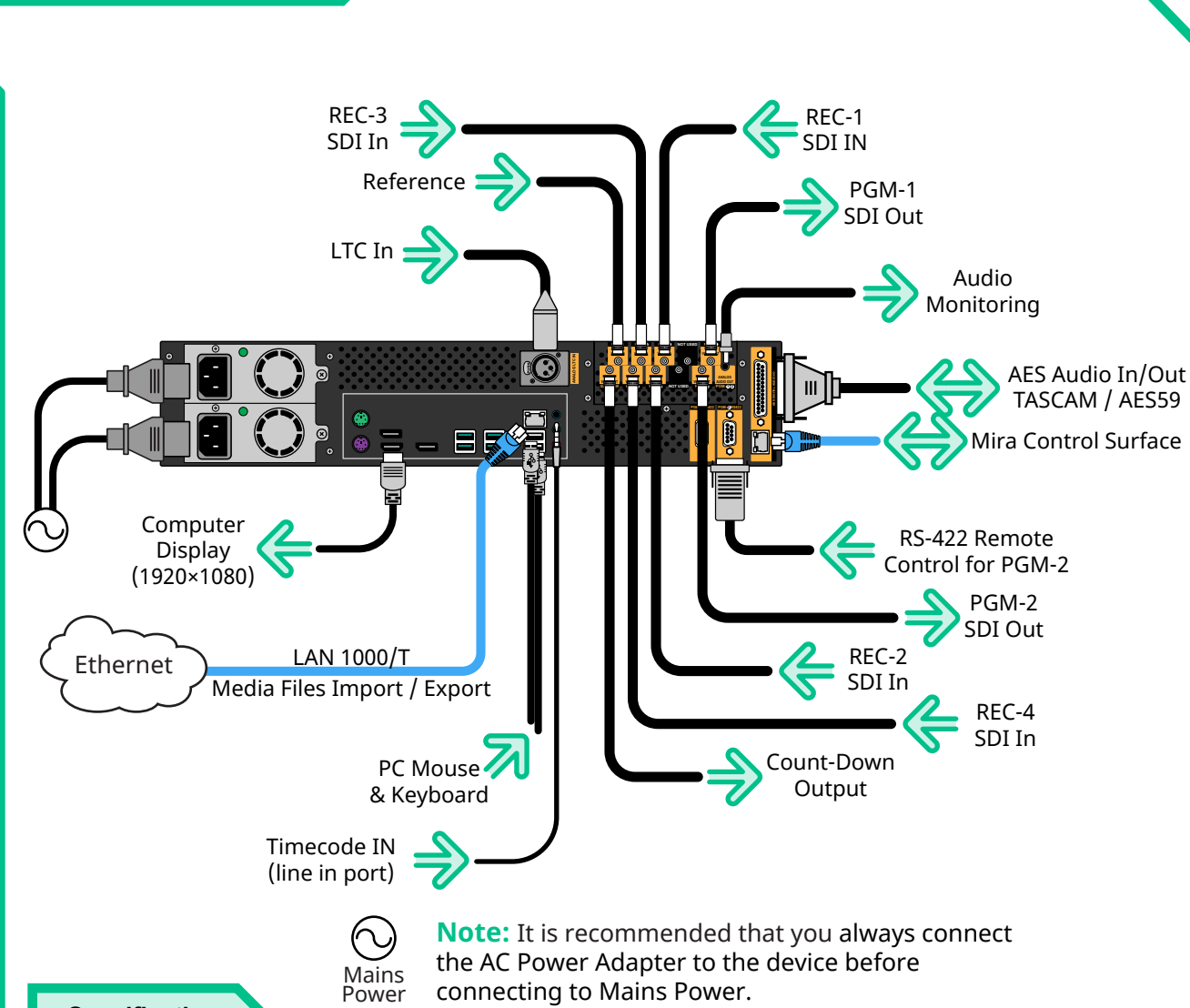# MIRA EXPRESS

Caution: Before you set up and operate your server, see the "Important Safety Instructions" in your User manual.

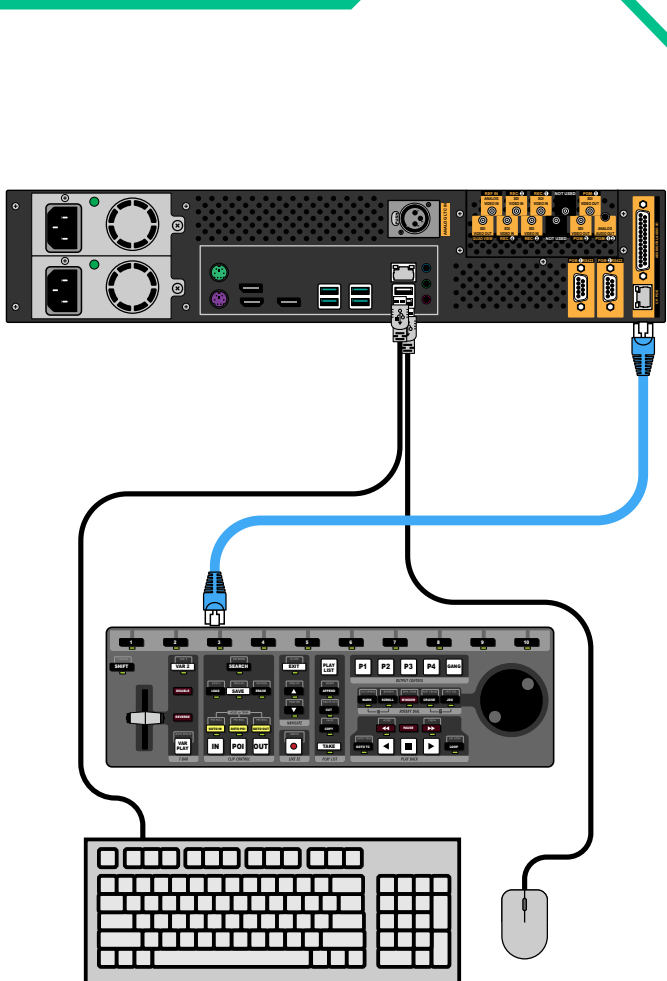# Installation and Cabling

Ports and Connectors

Alarm MUTE | Power

Media Drives

REF IN ANALOG VIDEO IN | REC-3 SDI VIDEO IN | REC-1 SDI VIDEO IN | NOT USED | PGM-1 SDI VIDEO OUT

SDI I/O

SDI VIDEO OUT QUAD VIEW | SDI VIDEO OUT REC-4 | SDI VIDEO IN REC-2 | NOT USED | SDI VIDEO OUT PGM-2 | ANALOG AUDIO OUT PGM-1 2

Analog Audio Out

Monitors HDMI/DP | LTC In

AES I/O

TC In

Control Surface

1G Network | Serial Control

Notes:
- Only REC 1-4 can record.
- If you are recording from, or playing into, an external device you must have all devices connected to the same reference signal to ensure proper timing.
- The 1G Network port can be used for media file import and export.
- The 100/T POE port is for connecting the Mira Control Surface.
- The TC In (LINE IN) audio port is used for TC Chase.

Port Pinouts

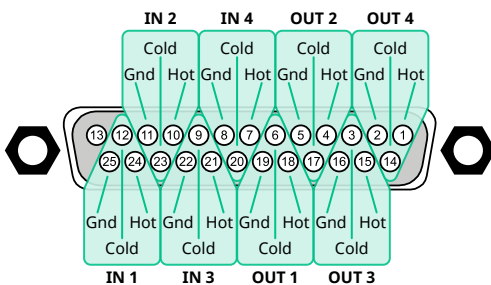IN 2 | IN 4 | OUT 2 | OUT 4
Cold | Cold | Cold | Cold
Gnd Hot | Gnd Hot | Gnd Hot | Gnd Hot

13 12 11 10 9 8 7 6 5 4 3 2 1
25 24 23 22 21 20 19 18 17 16 15 14

Gnd Hot | Gnd Hot | Gnd Hot | Gnd Hot
Cold | Cold | Cold | Cold
IN 1 | IN 3 | OUT 1 | OUT 3

AES59-2012 (TASCAM) AES3 Port

RS422 (RJ45/DB9)

Pin	Signal
1	Gnd
2	Tx-
3	Rx+
4	Rx Gnd
5	n/c
6	Tx Gnd
7	Tx+
8	Rx-
9	n/c

Power and Control Cabling

REC-3 SDI In
Reference
LTC In
REC-1 SDI IN
PGM-1 SDI Out
Audio Monitoring
AES Audio In/Out TASCAM / AES59
Mira Control Surface
Computer Display (1920×1080)
RS-422 Remote Control for PGM-2
PGM-2 SDI Out
REC-2 SDI In
REC-4 SDI In
Ethernet
LAN 1000/T Media Files Import / Export
PC Mouse & Keyboard
Count-Down Output
Timecode IN (line in port)

Mains Power

Note: It is recommended that you always connect the AC Power Adapter to the device before connecting to Mains Power.

Control Surface Connection

Specifications

SDI Video Formats
525i (480i) 59.94Hz
625i (576i) 50Hz
720p 60Hz
720p 59.94Hz
720p 50Hz
1080i 59.94Hz
1080i 50Hz

Default Passwords
| Windows | Abekas |
| Administrator | multiflex |

Input Voltages
100 to 240V~
3 to 1.5A
60 to 50Hz

Operating Environment
| Temperature: | 20 - 35°C (68 - 95°F) |
| Humidity: | 20 - 80% |

Video/Audio Input Specifications
Video Inputs, HD-SDI	SMPTE 292M 10-bit at 1.5Gb/s
Video Inputs, SD-SDI	SMPTE 259M 10-bit at 270Mb/s
Embedded Audio, HD-SDI	8 Tracks, 48kHz at 24-bit
Embedded Audio, SD-SDI	4 Tracks, 48kHz at 20-bit
AES Discrete Audio	8 Tracks AES59-2012/TASCAM Digital
Reference Input	Tri-Level HD or Composite Analog SD; Terminating
Native Codec	DVCpro @ 50Mb/s or 100Mb/s

Video/Audio Output Specifications
Video Outputs, HD-SDI	SMPTE 292M 10-bit at 1.5Gb/s
Video Outputs, SD-SDI	SMPTE 259M 10-bit at 270Mb/s
Embedded Audio, HD-SDI	8 Tracks, 48kHz at 24-bit
Embedded Audio, SD-SDI	4 Tracks, 48kHz at 20-bit
AES Audio	8 Tracks AES59-2012/TASCAM Digital
Analog Audio Monitoring	3.5mm headphone connector, unbalanced, line-level at -10dBv, 2 Tracks (1 stereo pair), user selectable to monitor any out
Native Codec	DVCPro @ 50Mb/s or 100Mb/s

ROSS