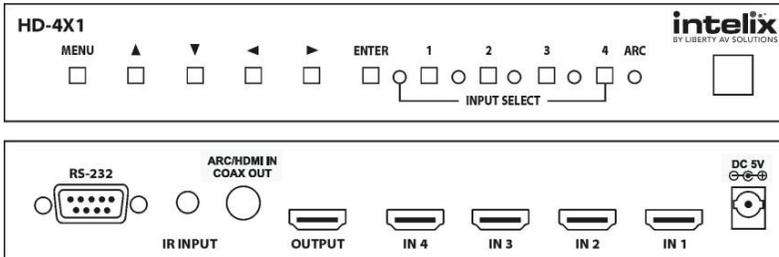


HD-4X1 Installation Guide



The Intelix HD-4X1 is a four input, one output HDMI switcher. The HD-4X1 supports 3D, 1080p and PC resolutions up to 1920x1200. It also supports 7.1 channel audio, including Dolby® TrueHD and DTS-HD, and audio return channel (ARC).

Installation Instructions

1. Power off the sources and destination device.
2. Connect sources to the HDMI inputs on the HD-4X1. Connect destination device to the HDMI output on the HD-4X1.
3. If the HD-4X1 is going to be connected to an audio distribution system, connect a high quality RCA cable to the ARC/SPDIF output.
4. If the HD-4X1 will be controlled by a third-party control system, connect a DE9 cable to the RS232 port.
5. Connect the included power supply to the 5VDC port. Connect the power supply to AC power outlet.
6. Power on the HD-4X1.
7. Power on destination device and sources.

Important notice:

- Do not attempt to disassemble or alter the switcher housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Allow proper ventilation to reduce the risk of thermal failure.

Operation Instructions

Source Selection (Front Panel)

The four inputs each have their own push button on the front panel. Press the desired button to select the corresponding input.

Menu Navigation (Front Panel)

Press the Menu button on the far left side of the front panel to bring up the on screen display. Use the up, down, left, and right push buttons to navigate the menu and use the enter button to confirm selections.

Source Selection and Menu Navigation (IR Remote)

All source selection and menu navigation buttons found on the front panel can also be found on the included infrared remote control.

Audio Return Channel & SPDIF Output

When connecting the HD-4X1 to an external audio distribution system, the Audio Return option needs to be set accordingly. If the connected display and audio system supports ARC, set Audio Return to 'on'.

If the connected display and/or audio system do not support ARC, set Audio Return to 'off', and the ARC/SPDIF output will operate as a standard coaxial SPDIF output.

Troubleshooting

Symptom	Possible Solutions
No signal	Verify HDMI cables and source and destination HDMI ports are operational.
Video appears with no audio	If using the ARC/SPDIF output, verify the Audio Return option is set accordingly. See Operation Instructions for more information. If using destination device's built-in speakers, make sure destination device can decode the audio format.

Command Code	Response	Description
s port a	>Select Input Port A	Select Input Port A
s port b	>Select Input Port B	Select Input Port B
s port c	>Select Input Port C	Select Input Port C
s port d	>Select Input Port D	Select Input Port D
s menu 0	>OSD MENU Off	OFF : No Display On-Screen MENU
s menu 1	>OSD MENU On	ON : Display On-Screen MENU
s info 0	>OSD System Information Off	OFF : No Display On-Screen System Information
s info 1	>OSD System Information On	ON : Display On-Screen System Information
s menuct u	>MENU Cursor Up Move	MENU Project Up Move
s menuct d	>MENU Cursor Down Move	MENU Project Down Move
s menuct l	>MENU Cursor Left Move	MENU Project Left Move
s menuct r	>MENU Cursor Right Move	MENU Project Right Move
s menuct e	>MENU Cursor Enter	MENU Project Enter
s arctx 1	>ARC mode is on	ARC Mode Is On
s arctx 0	>ARC mode is off	ARC Mode Is Off
s reset	>System Reset	System Reset
r port	>Select port ?	Show Select Input Port Status
r arctx	>ARC mode is ?	Show ARC Mode Status
r fwver	>FW Version : Vx.xx	Show Firmware Version

RS232 Transmission Format:

Baud Rate: 115200 bps
 Data Bit: 8 bits
 Parity: None
 Stop Bit: 1 bit

ALL RS232 COMMANDS MUST CONCLUDE WITH A CARRIAGE RETURN AND LINE FEED.

Technical Specifications

Supported Inputs	
Input Format	HDMI
Input Signal Types	HDMI (plus PC Video to WUXGA)
Supported Output	
Output Format	HDMI
Output Signal Type	High Definition Multimedia Interface
Signal Characteristics	
Freq. Bandwidth	2.25Gbps (Single Link)
Compliance	HDMI, HDCP & CEC
Color Depth	Deep Color 36/30/24 Bit, 1080p
Repeater Operation	HDCP Repeater Support
Supported Audio	
Embedded Audio	Dolby® Digital TrueHD and DTS-HD
Return Audio Support	Audio Return Channel (ARC)
I/O Connections	
Input Connector	4x Type A HDMI Female
Output Connectors	1x Type A HDMI Female
Device Control	
Device Control	Front Panel, IR Remote w/OSD or RS-232
Environmental	
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
Power Requirement	
External Power Supply	100~240VAC to 5VDC/2A Locking Adapter