# XS-42H | MATRIX SWITCHER

**PHONES LEVEL**
Adjusts the volume of the headphones.

**MASTER LEVEL**
Adjusts the overall volume.

**LOCK BUTTON**
Long-press this to turn on/off the panel lock function.

**PHONES OUTPUT**
Connect stereo mini-jack headphones here.

**SCENE/MENU BUTTON**
Recalls a scene, or long-press the button for MENU

**LINE INPUT LEVEL**
Adjusts the volume of the line input.

**TIME ADJUSTMENT**
Specifies the transition time when switching between scenes or video.

**CROSS-POINT [1]–[4] BUTTONS**
These buttons switch the cross-point of the video channel.

**LAN PORT**
This is used to remotely control this unit from a web browser or terminal software.

**RS-232 CONNECTOR**
You can connect this to a computer equipped with an RS-232 connector, and remotely control this unit.

**LINE IN/OUT**
Connect audio inputs and outputs here.

**OUTPUT HDMI 1, 2 CONNECTORS**
These output video and audio. Connect them to a projector, video recorder, or external display.

**INPUT HDMI 1–4 CONNECTORS**
These input video and audio. Connect them to a video device such as a video camera or BD player, or to a computer.

**USB MEMORY PORT**
You can connect a USB flash drive here This is used to load still images or to update the system program
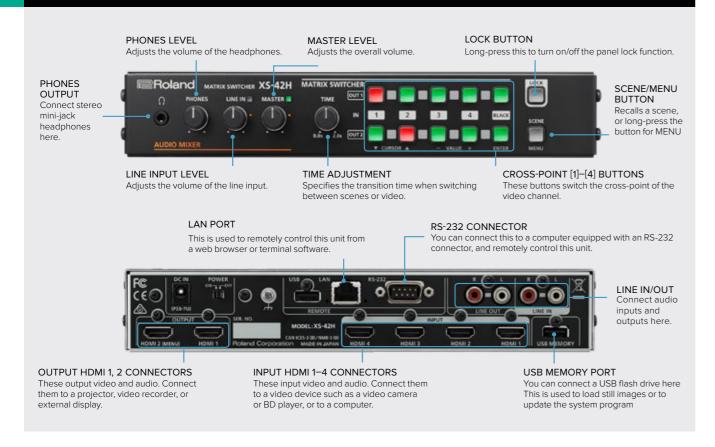
## Meet. Share. Repeat.

- Switch up to 4 HDMI inputs to 1 or 2 displays
- Content displays automatically with Auto Input Detection
- Run and switch the meeting from a web browser on a tablet, phone or PC (connected to same network)
- Automatic switching of audio along with video
- Arrange meeting presets for recalling common meeting set-ups with the push of a button

## No more 'guess the input'

Even when successfully connected to a display, you may not see 'your' screen because the correct input isn't selected. This triggers a cycle of chaos as you scramble for the right input settings, while everyone starts checking their smartphones. The XS-42H's auto input detection solves this problem by automatically switching to a newly connected device, making the transition to a new presenter incredibly smooth while keeping everyone focused on the meeting.
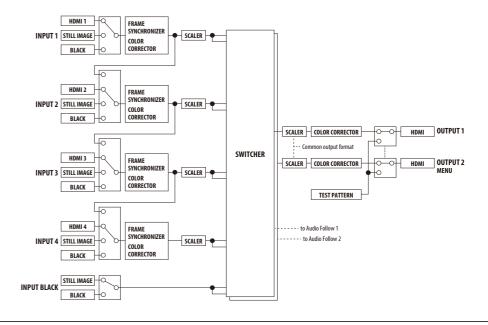
## DIY — Huddle without the hassle

Professionally installed huddle space AV systems aren't cheap — and for smaller companies the cost is often prohibitive. But if you can mount a TV on a wall, then you can install and set up the Roland XS-42H, giving you a huddle space that'll make everyone's lives easier. The XS-42H is small, light and easy to position, and the supplied mounting bracket means it can be located out of sight, but ready for action. You don't even need to physically press the button to change input sources, as the XS-42H can be controlled from a web browser on your computer, tablet or smartphone.
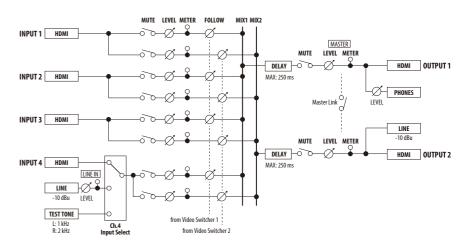
## Connect with confidence

The XS-42H can connect and display a reassuring variety of sources. It achieves this in two ways; EDID and scaling. EDID (or Extended Display Identification Data) tells your PC or tablet the correct resolution to output, so you don't ever need to get involved. Scaling lets you connect, switch and display between a variety of different sources and resolutions – so no matter what's going in, it'll come out fine.

## BLOCK DIAGRAM

### VIDEO



### AUDIO



## SPECIFICATIONS XS-42H

### VIDEO

| | |
|---|---|
| Processing | 4:4:4 (Y/Pb/Pr, RGB)/10 bits, 4:2:2 (Y/Pb/Pr)/10 bits |
| Input Connectors | HDMI: HDMI type A x 4 (HDMI INPUT 1--4), * HDCP Supported |
| Output Connectors | HDMI: HDMI type A x 2 (HDMI OUTPUT 1--2), * HDCP Supported |
| Formats | 480/59.94i (*1), 576/50i (*1), 480/59.94p (*1), 576/50p (*1), 720/59.94p, 720/50p, 1080/59.94i, 1080/50i, 1080/59.94p, 1080/50p, 800 x 600/60 (*1), 1024 x 768/60 (*2), 1280 x 720/60 (*2), 1280 x 800/60 (*2), 1366 x 768/60 (*2), 1280 x 1024/60 (*2), 1400 x 1050/60 (*2), 1600 x 1200/60, 1920 x 1080/60, 1920 x 1200/60 RB *Conforms to CEA-861-E,VESA DMT Version 1.0 Revision 11 *Frame rate is 59.94 Hz (NTSC) or 50 Hz (PAL). (*1) Input only. (*2) Output refresh rate is 75 Hz when frame rate is set to 50 Hz. |
| Composition | Layer: 1 |
| Transition | Black-insert, Mix, Cut |
| Still Image | Internal Memory: 1 Maximum Size: 1920 x 1200 pixels Format: Windows Bitmap File (.bmp) 24 bit per pixel, uncompressed |

### AUDIO

| | |
|---|---|
| Sample Rate | 48 kHz, 24 bits |
| Input Connectors | HDMI: HDMI type A x 4, AUDIO INPUT: RCA pin type |
| Output Connectors | HDMI: HDMI type A x 2, AUDIO OUTPUT: RCA pin type PHONES: Stereo mini type |
| Input Level | AUDIO INPUT: -10 dBu (Maximum: +8 dBu) |
| Input Impedance | AUDIO INPUT: 15 k ohms |
| Output Level | AUDIO OUTPUT: -10 dBu (Maximum : +8 dBu) PHONES: 72 mW + 72 mW (32 ohms) |
| Output Impedance | AUDIO OUTPUT: 1 k ohm PHONES : 10 ohms |
| Formats | HDMI: Linear PCM, 24 bits, 48 kHz, 2 ch |
| Processing | Mixer: 4 ch x 2 (Delay: Maximum 250 ms, Audio Follow) |

### OTHERS

| | |
|---|---|
| External Connectors | REMOTE RS-232: DB-9 type (Male) x 1 LAN: RJ45 x 1 USB: USB A type x 1 (Use for future expansion) USB MEMORY: USB A type x 1 (Use for USB Memory) |
| Functions | Scene Memory: 10 Test Pattern Generator Test Tone Generator EDID Emulator |
| Power Supply | AC Adaptor |
| Current Draw | 2.1 A |
| Power Consumption | 25 W |
| Operation Temperature | +0 to +40 degrees Celsius, +32 to +104 degrees Fahrenheit |
| Dimensions | 242 (W) x 125 (D) x 44 (H) mm 9-9/16 (W) x 4-15/16 (D) x 1-3/4 (H) inches |
| Weight | 1.2 kg, 2 lbs 11 oz |
| Accessories | Owner's Manual, Leaflet "USING THE UNIT SAFELY", AC adaptor, Power cord, Rubber feet (4 pcs.), Rack mount angle set |

* 0 dBu=0.775 Vrms