

ICP-X7000

Control panel for XVS Series and MVS-X Series switchers



Overview

Assignable modular X-Panel design for XVS Series and MVS-X Series switchers

Sony is the pioneer of the modular style of design, with the operational heart for video switchers. Now Sony is introducing the new ICP-X7000 Series Control Panel "X-Panel" switcher control panel, inheriting all of the modular capability and operability from the CCP-8000 Series MVS Control Panel which has firmly established a stellar reputation since its debut in 2001.

The X-Panel offers very flexible panel configuration with a modular design style, providing a flexible mounting style for slat or curved mounting, or even for splitting into two positions.

The X-Panel can be combined with the XVS Series switchers as well as the MVS-X Series switchers, keeping its modulability and operability.

Control panel selection to best suit varying needs

The X-Panel has a variety of panel selections; 1 M/E through 4 M/E control panel rows, 20 XPT, 28 XPT or 36 XPT buttons, standard, narrow or small panel chassis, combined or separated panel row configuration, physical or virtual control surface. These types of control panel are suitable for any facilities, from areas where control space is sufficient, such as main control rooms and large OB trucks, to where space is strictly limited, such as the back bench in main control rooms, small OB trucks, small news production rooms, and more.

Enhanced operability

OLED display, RGB XPT buttons, LCD button pad and redesigned button layout enable steady status recognition and accurate button push with confidence where both speed and accuracy are required in live production.

Single panel and multi-panel configurations increase your options

With System Interface Unit (SIU) MKS-X2700 or MKS-X7700 as a device controller and Switcher Control Station (SCS) PWS-100SC1, you can operate the switcher as a single panel system or multi-panel system, greatly increasing your options.

Virtual Shot Box and Virtual Menu for Tablet/PC operations (XVS Series switchers only)

The Web applications on the XVS Series switchers, Virtual Shot Box and Virtual Menu, provide other switcher operations with Remote & Touch live user interface and extension menu interface, allowing a second operator access to the switcher.

Data Manager for sharing switcher data

Improves data management workflow and can reduce show set-up times, as well as making for data back-up and maintenance.

Switcher Control Panel

- ICP-X7000 Series
- MKS-X7011 – Menu Panel
- MKS-X7017 – 36 XPT Module
- MKS-X7018 – 28 XPT Module
- MKS-X7019 – 20 XPT Module
- MKS-X7020 – Standard Transition Module
- MKS-X7021 – Simple Transition Module
- MKS-X7023 – Key Transition Module
- MKS-X7024 – FlexiPad Module
- MKS-X7026 – 10-key Pad Module
- MKS-X7031TB – Track Ball Module
- MKS-X7032 – Key Fader Module
- MKS-X7033 – Utility/Shot Box Module
- MKS-X7035 – Key Control Module
- MKS-X7040 – Blank Panel (1/3)
- MKS-X7041 – Blank Panel (1/2)
- MKS-X7042 – Blank Panel (1/6)
- MKS-X7075 – Extension Adapter
- PWS-100SC1 – Switcher Control Station

Remote Panel

- MKS-8080 – AUX BUS Remote Panel
- MKS-8082 – AUX BUS Remote Panel

Device Control Unit

- MKS-X2700 – System Interface Unit
- MKS-X7700 – System Interface Unit
- MKS-X7701 – Tally/GPI Output Board
- MKS-X7702 – Serial Interface Board

Virtual Shot Box Software (XVS Series switchers only)

- BZPS-7020 - Virtual Shot Box Base Software
- BZPS-7021 - Virtual Shot Box Additional Software

Virtual Menu (XVS Series switchers only)

- BZPS-7030 – Virtual Menu Base Software
- BZPS-7031 – Virtual Menu Additional Software

Features

Flexible X-Panel assignable modular design

The X-Panel offers very flexible panel configuration with a modular design style, OLED display, RGB XPT buttons, and LCD button pad. The button layout has also been redesigned to provide operators with steady status recognition and the confidence of button push accuracy. And the X-Panel is highly assignable; XPT FlexiPad allows function-mapping customization according to your operators' preferences.

Single panel and multi-panel configurations increase your options

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More freedom of control with the Virtual Shot Box and Virtual Menu

The XVS Series control panel can be partly operated remotely via Ethernet using the web application called Virtual Shot Box and Virtual Menu.

With Virtual Shot Box, buttons and functions are customizable so you can assign

macro, snapshot, shot box, XPT switching, and other functions as you wish. The operational menus on the Menu Panel MKS-X7011, however, can be utilized in the Virtual Menu application by which the engineering operation can be free. These web applications can be used on any device with a web browser installed with Ethernet connection; this means that wireless operation is also supported using mobile devices.

There are many possibilities using these applications. For example, you can use Virtual Shot Box with the control panel as a shot box or assist the main switcher operator from any location; in addition, the anchor or talent can use it by themselves, switching on-air images from a sports arena and more.

Data Manager for sharing switcher data

Improves data management workflow and can reduce show set-up times, as well as making for data back-up and maintenance.

Specifications

General	
Power requirements	ICP-X7000 Series <ul style="list-style-type: none">• 42.5 V to 57 V (PoE+), 12 V DC
	PWS-110SC1, MKS-X7700, MKS-X2700 <ul style="list-style-type: none">• AC 100 V to 240 V, ±10% 50/60 Hz
Current consumption	ICP-X7000 Series <ul style="list-style-type: none">• 0.6 A (PoE+), 2.1 A DC
	MKS-X7011 (Menu Panel) <ul style="list-style-type: none">• 0.5 A (PoE+), 1.6 A DC
	MKS-X7075 (Extension Adapter) <ul style="list-style-type: none">• 0.35 A (PoE+), 1.2 A DC
	PWS-110SC1 <ul style="list-style-type: none">• 4.0 A to 1.5 A
	MKS-X7700 <ul style="list-style-type: none">• 1.0 A to 0.5 A
Operating temperature	MKS-X2700 <ul style="list-style-type: none">• 0.5 A to 0.3 A
	ICP-X7000 Series, MKS-X7700, MKS-X2700 <ul style="list-style-type: none">• 41°F to 104°F (5°C to 40°C)
	PWS-110SC1 <ul style="list-style-type: none">• 41°F to 95°F (5°C to 35°C)
Dimensions (W/H/D) — ICP-X7000 Series (excluding	Main Panel <ul style="list-style-type: none">• 4 M/E, 36-crosspoint buttons (standard type): 59.92"(with mount bracket) x 5.12" x 23.15"• 3 M/E, 28-crosspoint buttons (standard type): 53.86" (with mount bracket) x 4.84" x 17.40"• 2 M/E, 20-crosspoint buttons (standard type): 47.80" (with mount bracket) x 4.57" x

projections)	11.61" <ul style="list-style-type: none">• 2 M/E, 20-crosspoint buttons (narrow type): 39.13" (with mount bracket) x 4.57" x 11.61"• 2 M/E, 20-crosspoint buttons (small type): 33.35" (with mount bracket) x 4.84" x 17.40"• 1 M/E, 20-crosspoint buttons (standard type): 47.80" (with mount bracket) x 3.68" x 5.87"
	<ul style="list-style-type: none">• 1 M/E, 20-crosspoint buttons (narrow type): 39.13" (with mount bracket) x 3.68" x 5.87"• 1 M/E, 20-crosspoint buttons (small type, 2 rows): 33.35" (with mount bracket) x 4.57" x 11.61"• 1 M/E, 20-crosspoint buttons (small type, 1 row): 33.35" (with mount bracket) x 3.68" x 5.87"
Dimensions (W/H/D) — ICP-X7000 Series (excluding projections) cont'd.	<p>Auxiliary Bus Panel</p> <ul style="list-style-type: none">• 36-crosspoint buttons: 33.98" (with mount bracket) x 3.72" x 5.75"• 28-crosspoint buttons: 27.87" (with mount bracket) x 3.72" x 5.75"• 20-crosspoint buttons: 21.81" (with mount bracket) x 3.72" x 5.75" <p>Menu Panel</p> <ul style="list-style-type: none">• 16.69" x 8.70" x 1.81" <p>Extension Adapter</p> <ul style="list-style-type: none">• 10.31" (with mount bracket) x 5.75" x 3.67"
Dimensions (W/H/D) — PWS-110SC1 (excluding projections)	18.98" x 1.73" x 24.57"
Dimensions (W/H/D) — MKS-X7700 (excluding projections)	482 x 176 x 486 mm
Dimensions (W/H/D) — MKS-X2700 (excluding projections)	18.98" x 1.73" x 20.47"
Mass — ICP-X7000 Series	<p>Main Panel</p> <ul style="list-style-type: none">• 4 M/E, 36-crosspoint buttons (standard type): 85.98 lb• 3 M/E, 28-crosspoint buttons (standard type): 66.14 lb• 2 M/E, 20-crosspoint buttons (standard type): 48.50 lb• 2 M/E, 20-crosspoint buttons (narrow type): 26.46 lb• 2 M/E, 20-crosspoint buttons (small type): 33.07 lb• 1 M/E, 20-crosspoint buttons (standard type): 26.46 lb

	<ul style="list-style-type: none">• 1 M/E, 20-crosspoint buttons (narrow type): 13.23 lb• 1 M/E, 20-crosspoint buttons (small type, 2 rows): 22.05 lb• 1 M/E, 20-crosspoint buttons (small type, 1 row): 11.02 lb
Mass — ICP-X7000 Series cont'd.	<div>Auxiliary Bus Panel<ul style="list-style-type: none">• 36-crosspoint buttons: 9.70 lb• 28-crosspoint buttons: 8.38 lb• 20-crosspoint buttons: 7.05 lb</div> <div>Menu Panel<ul style="list-style-type: none">• 5.51 lb</div> <div>Extension Adapter<ul style="list-style-type: none">• 4.41 lb</div>
Mass — PWS-110SC1	14 kg
Mass — MKS-X7700	33.07 lb (fully loaded)
Mass — MKS-X2700	8 kg

Remote Control Connector

ICP-X7000 Series	LAN: RJ-45 (x1), 1000BASE-T(PoE+)
PWS-110SC1	<ul style="list-style-type: none">• LAN: RJ-45 (x1), 1000BASE-T, 100BASE-TX• USB: USB-type A (x6), USB 3.0• HDMI: Type A (x1), HDMI Ver. 1.4a• DisplayPort: DisplayPort (x1), DisplayPort Ver. 1.1a
MKS-X7700	<ul style="list-style-type: none">• MVS LAN: RJ-45 (x1), 1000BASE-T• UTIL LAN: RJ-45 (x1), 1000BASE-T• Serial Tally: D-sub 9-pin (x2), RS-422A• TALLY/GPI Input: D-sub 37-pin (x2),TTL level inputs (x34 each)• REMOTE: D-sub 9-pin (x4) , RS-422A, various protocols• S-BUS: BNC (x1), S-BUS protocol <div>Optional<ul style="list-style-type: none">• TALLY/GPI Outputs* (MKS-X7701 Tally/GPI Output Board): D-sub 37-pin (x3), relay contact outputs 18 ch, up to 324 ch in step of 54 ch in a frame• REMOTE* (MKS-X7702 Serial Interface Board): D-sub 9-pin (x6), RS-422A, various protocols, up to 36 ports in steps of 6 ports in a frame</div>
MKS-X2700	<ul style="list-style-type: none">• MVS LAN: RJ-45 (x1), 1000BASE-T• UTIL LAN: RJ-45 (x1), 1000BASE-T• Serial Tally: D-sub 9-pin (x2), RS-422A• TALLY/GPI Input: D-sub 37-pin (x1),TTL level inputs (x34 each)

- TALLY/GPI Output: D-sub 37-pin (x2), relay contact outputs (x18 each)
- REMOTE: D-sub 9-pin (x6) , RS-422A, various protocols
- S-BUS: BNC (x1), S-BUS protocol

Note

* Mixed configuration of optional boards is available for six slots.

Related products



XVS-7000
Mid-range 4K/3G/HD video switcher for IP and SDI



XVS-8000
High-end 4K/3G/HD video switcher for IP and SDI



XVS-6000
Entry-level 4K/3G/HD video switcher for IP and SDI



XVS-9000
Flagship 4K/3G/HD multi-format IP-ready video switcher



XVS-2M/E Pack
3G-capable, 4K-ready, IP-ready XVS Series Switchers in an affordable pack

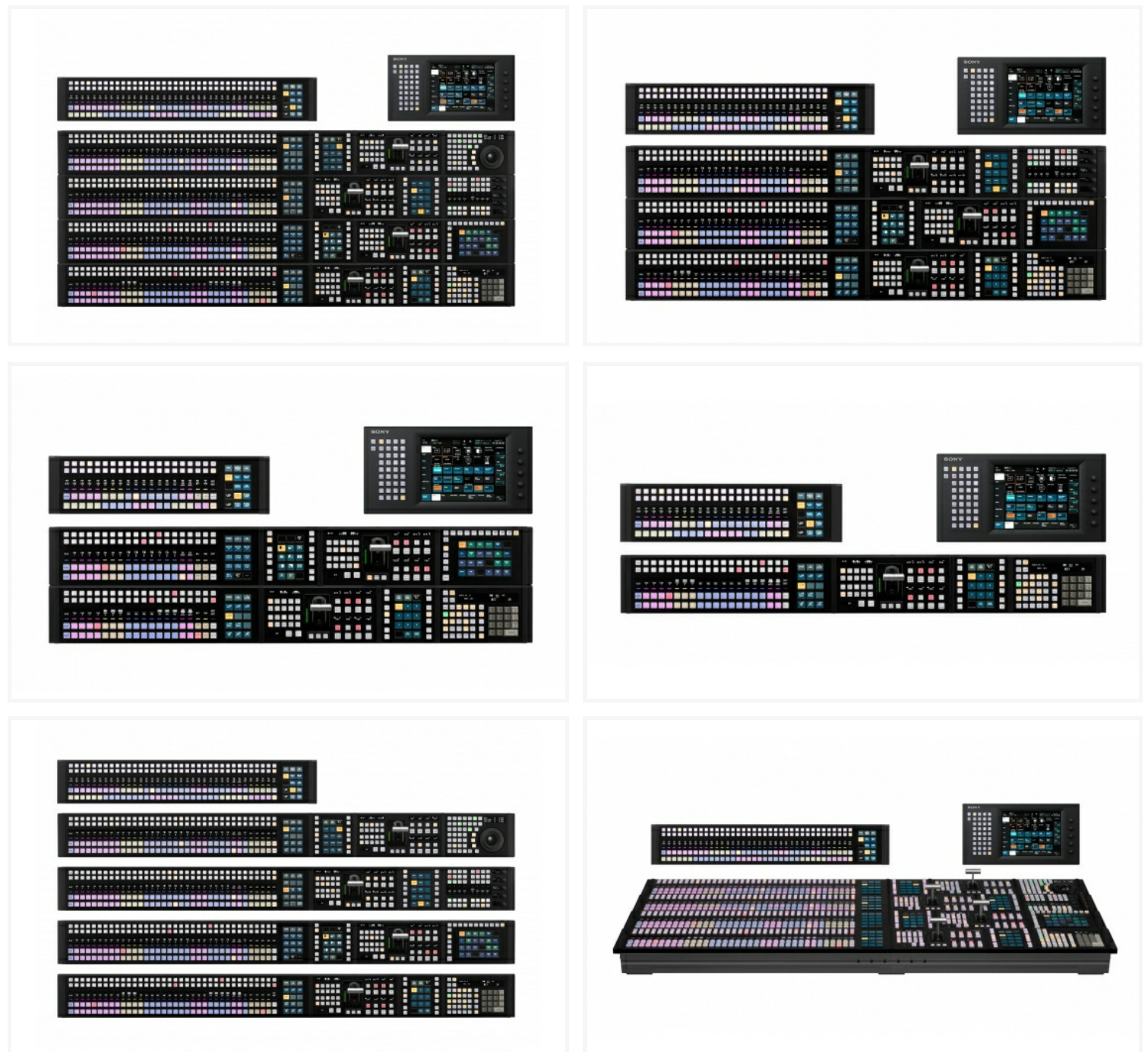


XVS-1M/E Pack
3G-capable, 4K-ready, IP-ready XVS Series switchers in an affordable pack



MVS-7000X
High-end 3G / HD / SD switcher

Gallery



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