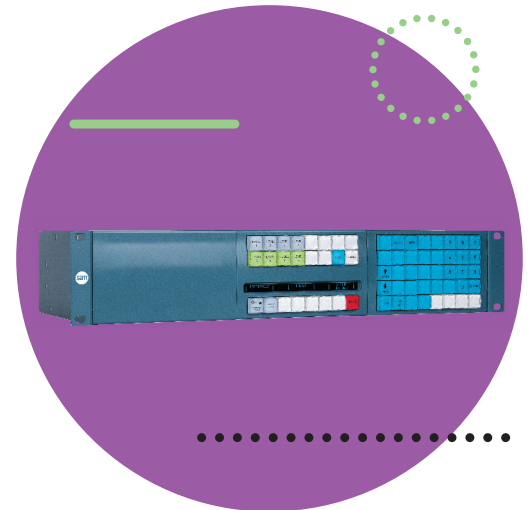


2RU Router Control Panel

6026776

Data Sheet

The 6026776 has been designed to meet the exacting requirements for hardware control panels used in simple or complex routing systems. Configuration of SAM router controllers for use with this panel is implemented using our proprietary 'Workbench' software.

















- Lightweight ergonomic design
- Ethernet or multi-drop RS485 serial connection to router
- Opto-isolated GPIO ports
- User configuration of switch positions and functionality

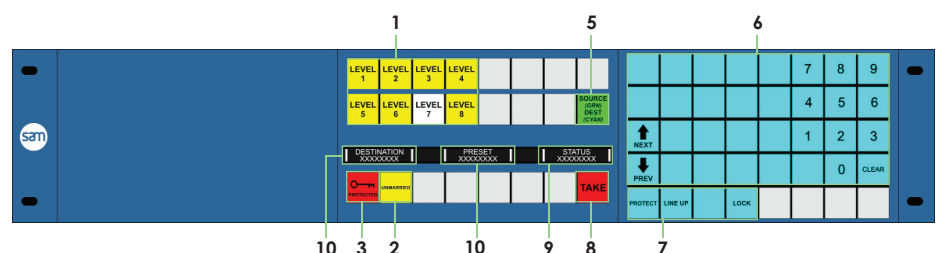
The 6026776 is compatible with the Nebula, Nucleus (2450), 2330 and Nucleus2 (246x) range of router controllers. It can also connect to a legacy Aurora controller via its RS485 serial port.

After the panel configuration has been defined a printed legend can be fitted inside the key cap for each of the active keys. To assist this task, the key caps are supplied unattached to the key switches. A key legend template is available for download from the router control panel section of our website.

The example images and key descriptions shown to the right are based on the 'Standard' Nucleus and Nucleus2 router controller database settings for this panel. Custom configurations can be implemented using Workbench control and monitoring software.

LED X-Y Panel - 6026776

1	Level Select Keypad	8 Illuminated Keys	 Yellow  White	Level Deselected Level Selected
2	Married Tally	Illuminated Key ^[1]	 Yellow  White	Unmarried Married
3	Protect Tally	Illuminated Key ^[1]	 Red  White	Unprotected Protected
4	Destination Detail	LCD Display (94 x 16 pixels) ^[2]		8 Characters, defined in control database
5	Destination / Source Selection	Illuminated Key	 Green  Cyan	Source Selection Destination Selection
6	Source / Destination Keypad	32 Illuminated Keys	 Cyan	Labels and functions defined in control database
7	Editable Keypad	4 Illuminated Keys ^[3]	 Cyan	Labels and functions defined in control database
8	TAKE Key	Illuminated Key	 Red	Take Preset source to selected destination
9	Status Display	LCD Display (94 x 16 pixels) ^[2]		8 Characters, defined in control database
10	Preset Display	LCD Display (94 x 16 pixels) ^[2]		8 Characters, defined in control database



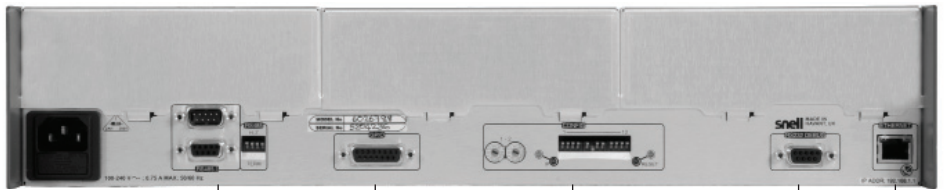
6026776 Key Descriptions

- [1] Indicator only. Key has no function.
 [2] The top row of text on the LCD display is fixed.
 [3] If required, PROTECT, LINE-UP, ALT LEV, ALT DEST, and LOCK must be assigned to these four keys.

Ordering Information

6026776X
2RU LED X-Y Control Panel

Rear View - All Types



Power IEC Mains Inlet	RS485 Serial Comms (looped with switched 'Hi-Z' or 'Terminated')	GPIO 12 Ports (opto-isolated)	CONFIG Rotary Hex Switch 1: RS485 Address Rotary Hex Switch 2: Key Brightness 12-Way DIL Switch: General Set-up	DEBUG RS232	ETHERNET 10/100 Base-T
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Ethernet Control		Serial Port Control	
Physical Layer Standards	Ethernet 10/100 Base-T Mb/s	Physical Layer Connector	RS485 9-way D/female/screw lock
Protocol	TCP-IP		(x2)
Connector	RJ45 (x1)	4-Way DIL Switch	Select Hi-Z ('Loop-thro') or Terminate
Configuration		GPIO	
Rotary Hex Switch 1	RS485 Multi-drop Address 1 to 16 (0 - F)	Physical Layer	Opto-coupled I/O, +5V 0.2A output
Rotary Hex Switch 2	Key Brightness - 8 Levels (0 to 7, 8 - F unused)	Connector	15-way D/female/screw lock
12-Way DIL Switch	General 'Set-Up' & 'Control Mode' selections	Debug	
IP Switch & LED	Restore Factory IP Address	Physical Layer	RS232
Reset Switch & LED	Panel Reset	Connector	9-way D/female/screw lock
Physical		Environmental	
Mounting Height	2RU	Operating Temp.	0°C ≤ T _{AMB} ≤ 40°C
Height	88mm	Maintained Spec.	0°C ≤ T _{SPEC} ≤ 30°C
Width	448mm	Storage Temp.	-20°C ≤ T _{STORAGE} ≤ 80°C
Depth	206mm (behind mounting face)	Relative Humidity	5% - 95% (non-condensing)
Weight	<1kg (2.2lb) max. - all types	Cooling	Natural Convection
Power		Compliance	
Connector	IEC	EMC - Emmissions	EN55103-1 (EU), FCC Part 15 (USA)
Voltage	85-264V AC, 47-63 Hz	EMC - Immunity	EN55103-2 (EU)
AC Input Power	25W nominal	Safety	EN60950 (EU), UL1419 (USA)
Fusing	T2A (Integrated with IEC connector)	Hazardous Material	RoHS-6 (UK) - Complies with EU Directive