

# I/O Extender– Datasheet

Enhance your show control with increased digital inputs, additional relays, and analog inputs for exceptional performance.



ENTTEC's I/O Extender for S-PLAY SP1-1 enhances your system's input/output capabilities, integrating with existing setups for advanced smart lighting control.

As the perfect companion to the ENTTEC S-PLAY SP1-1, this extender boosts your system with 20 digital inputs, 4 relays, and 2 analog inputs, making it ideal for both simple and complex installations.

With Ethernet In and Through ports, reliable network integration is effortless, while screw terminal and pluggable terminal blocks ensure a streamlined wiring process.

The configuration is straightforward and user-friendly. Simply provide the S-PLAY SP1-1's IP address to designate the I/O Extender, and the majority of settings can be managed through the S-PLAY SP1-1 interface, minimising the need to switch between interfaces and allowing for quick and efficient setup.

Choose from flexible installation options, including half rack, full rack, or surface mount, to perfectly fit your setup. Elevate your light show management with the ENTTEC I/O Extender, unlocking new levels of creativity and control.

## Features

- **Extends the S-PLAY SP1-1 I/O capabilities for enhanced control.**
- **Supports 12-24V DC power input via screw terminal.**
- **Equipped with two Ethernet ports for flexible network expansion.**
- **Adds 20 digital inputs to your S-PLAY system for increased signal management.**
- **Integrates 4 additional relays to enhance system control.**
- **Includes 2 analog inputs for broader monitoring and control.**
- **Features screw terminal connections with pluggable terminal blocks for easy wiring and unified cable requirement.**
- **Simplified configuration in the I/O Extender with most settings managed through the S-PLAY interface.**
- **Real-time data exchange and synchronised control with the S-PLAY SP1-1 Smart Show Controller.**

## Specification

<b>Connectors</b>	1 x Power (Screw terminal)
	2 x Ethernet (RJ45)
	20 x Digital Input (Screw terminal)
	4 x Relay (Screw terminal)
	2 x Analog Input (Screw terminal)
<b>Power Input</b>	12~24V DC
<b>Max. Power Draw</b>	3.35W
<b>Max. Current Draw</b>	280mA
<b>IP rating</b>	IP20
<b>Network Speed</b>	10/100Base-T
<b>Network Discovery</b>	ENTTEC's EMU Software
<b>Network Configuration</b>	DHCP (Default) Static (192.168.0.10)
<b>Control Input</b>	S-PLAY SP1-1 (Firmware V3 above)
<b>Analog Input Range</b>	0-10V DC
<b>Relay Max. Switching Power/Current</b>	60W, 125VA/2A
<b>LED Indicator</b>	Forward-facing LED indicator
	Network link/activity Integrated into RJ45 ports)
<b>Cooling Method</b>	Convection
<b>Environmental operating temperature</b>	0°C to 50°C 32°F to 122°F
<b>Environmental operating humidity</b>	0 to 95% (non-condensing)
<b>Body material</b>	ABS Plastic & Anodised Aluminium
<b>Unit dimensions</b>	200*120*42 mm
<b>Unit weight</b>	0.50kg / 1.10lbs
<b>Shipping dimensions</b>	335*265*78 mm
<b>Shipping weight</b>	1.15kg / 2.54 lbs
<b>Warranty</b>	3-year return to base manufacturer warranty

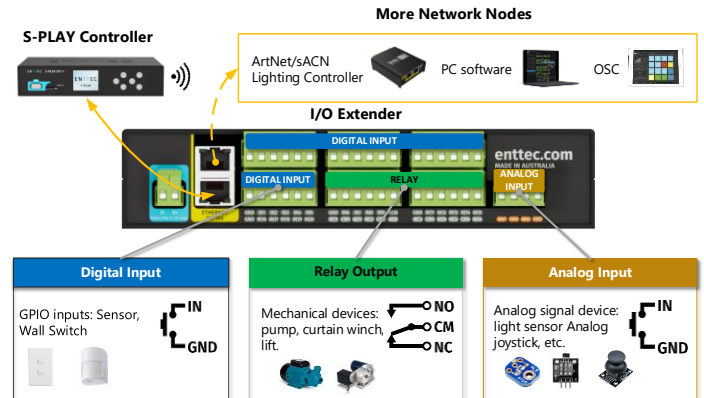
## Certification



## Box Contents

- S-PLAY I/O Extender
- Cat5 cable
- Rack, Surface, Din Clip mounting accessories

## Application Diagram



## Safety

- Do not expose this device to rain or moisture, doing so will void the warranty.
- Make all the connections before you connect power.
- Do not remove the cover, there are no user serviceable components inside.
- Ensure proper shield connections.
- Mount this unit in an area that will allow air flow - allow 150mm (6") space.
- Never connect 0V to electrical Earth.

## Ordering Information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
S-PLAY I/O Extender	70096

# enttec.com

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Due to constant innovation, information within this document is subject to change.