STOLTEN®

APOLLO

IP Control Box

SA-C

USER MANUAL

Important Safety Information

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Do not use this product near water. Keep away from wet places, such as: spas, pools, sinks, laundries, wet basements, etc.
4. When cleaning, unplug the unit and wipe with a dry cloth. Do not use damp cloths, cleaning fluids, or aerosols which may result in electric shock, fire, or unit damage.
5. Operate this product using only the included power supply and/or power cable. Use of an unapproved power implement may impair performance, damage the product, or cause fires.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
9. Only use attachments/accessories specified by Stoltzen to avoid fire, shock, or other hazards.
10. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.
11. Unplug this product during lightning storms or when unused for long periods of time.
12. Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could result in electric shock, damage to the unit, or other hazards.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

TO REDUCT THE RISK OF ELECTRIC SHOCK
DO NOT OPEN ENCLOSURE OR EXPOSE
TO RAIN OR MOISTURE.
NO USER-SERVICEABLE PARTS
INSIDE REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL.

Contents

Introduction

SA-C is an IP control box that is used as an A/V control device for controlling, configuring and managing encoders and decoders on the local area network. It integrates two Ethernet ports and two RS232 ports, offering integration-friendly control features -- LAN (Web GUI & Telnet). It also can be used with a third-party controller to provide a simple, flexible control and management options. SA-C can automatically search and display encoders and decoders. It is designed to be compatible with the configuration file from PC configurator (Apollo Configurator) and use the imported configuration file to perform operations on encoders and decoders such as matrix and video wall.

Features

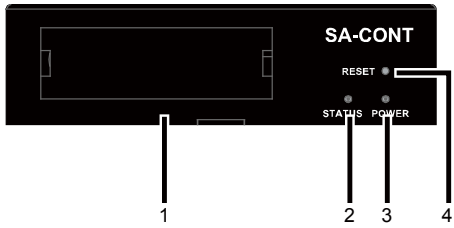
- IP control via LAN (Web GUI & Telnet) and a third-party controller
- Features two Ethernet ports and two RS232 ports
- Discover encoders and decoders automatically
- Supports matrix switching between encoders and decoders
- Compatible with the configuration file from PC configurator to quickly perform operations on encoders and decoders, such as matrix and video wall
- Web configuration page

Package Contents

- 1 x IP Control Box SA-C
- 1 x DC 12V Power Adapter (with US, UK, EU, AU pins)
- 1 x Phoenix Male Connector (3.5 mm, 6 Pins)
- 2 x Mounting Brackets (with Screws)
- 5 x Label Cards (49 mm x 15 mm)

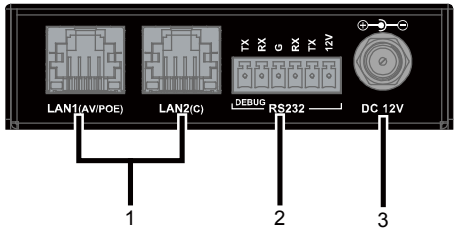
Panel Description

Front Panel



No.	Name	Description
1	Label Card Location	Inserts a supplied label card intended for writing short notes such as an IP address.
2	STATUS LED	• **Blue**: When SA-C is working properly. • **Off**: When SA-C is powered off or is booting.
3	POWER LED	• **Red**: When SA-C is powered on. • **Off**: When SA-C is powered off.
4	RESET	When SA-C is powered on, use a pointed stylus to hold down RESET button for five or more seconds, and then release it. It will reboot and restore to its default settings. **Note:** When the default settings are restored, your custom data is lost. Therefore, exercise caution when using the RESET button.

Rear Panel



No.	Name	Description
1	LAN 1-2	**1 x LAN1 (AV/POE):** Connects to a switch for communication with encoders and decoders on the same network.

<table>
<tr><th>No.</th><th>Name</th><th>Description</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><th colspan="2">Default Protocol</th></tr>
<tr><td>IP Address</td><td>169.254.1.1</td></tr>
<tr><td>Subnet mask</td><td>255.255.0.0</td></tr>
<tr><td>Gateway</td><td>169.254.1.254</td></tr>
<tr><td>DHCP</td><td>Off</td></tr>
<tr><td>Link speed and duplex</td><td>Auto detected</td></tr>
</table>
Ethernet port indicators  :
• Green Link LED: this green colored LED lights when SA-C actively communicates with a network.
• Amber Activity LED: this amber colored LED flickers as SA-C is connected to a network.

1 x LAN2 (C):
Connects to a third-party controller for controlling, configuring and managing SA-C, encoders and decoders through LAN control (Web GUI & Telnet).
<table>
<tr><th colspan="2">Default Protocol</th></tr>
<tr><td>IP Address</td><td>192.168.11.243</td></tr>
<tr><td>Subnet mask</td><td>255.255.0.0</td></tr>
<tr><td>Gateway</td><td>192.168.11.1</td></tr>
<tr><td>DHCP</td><td>Off</td></tr>
<tr><td>Link speed and duplex</td><td>Auto detected</td></tr>
</table>
Ethernet port indicators  : same as above.
Note:
• Only LAN1 (AV/POE) port supports PoE. You can connect it to a PoE switch to receive power, eliminating the need for a nearby power outlet.
• We would recommend that you power SA-C using either a power adapter or a PoE switch instead of using both them at the same time. For example, if you want to use a power adapter, ensure that PoE function of the connected LAN port in the switch is disabled or a non-PoE switch is used.
</td></tr>
</table>

<table>
<tr><th>No.</th><th>Name</th><th>Description</th></tr>
<tr><td>2</td><td>RS-232</td><td>
Left (DEBUG): Pins TX, RX, G are used for device troubleshooting only.
<table>
<tr><th colspan="2">RS232 Parameters</th></tr>
<tr><td>Baud Rate</td><td>115 200 bps</td></tr>
<tr><td>Data Bits</td><td>8 bits</td></tr>
<tr><td>Parity</td><td>None</td></tr>
<tr><td>Stop Bits</td><td>1</td></tr>
</table>
Middle (Control): Pins G, RX, TX are used for controlling, configuring and managing SA-C, encoders and decoders through RS232 software or a third-party controller.
<table>
<tr><th colspan="2">RS232 Parameters</th></tr>
<tr><td>Baud Rate</td><td>9 600 bps</td></tr>
<tr><td>Data Bits</td><td>8 bits</td></tr>
<tr><td>Parity</td><td>None</td></tr>
<tr><td>Stop Bits</td><td>1</td></tr>
</table>
Right (Power): Pins G, 12V are used for providing a 12VDC 0.5A output.

Note: Please connect the correct pins for device debug and control. When SA-C is powered by a power adapter, if you connect control terminal to control port after first connection with the debug port, you need to reboot SA-C for device control process.
</td></tr>
<tr><td>3</td><td>DC 12V</td><td>Connects to a supplied 12 VDC 1 A power adapter.</td></tr>
</table>

Specifications

Technical	
Input/Output Port	1 x LAN1 (AV/POE) (10/100 Mbps) 1 x LAN2 (C) (10/100 Mbps) 2 x RS232
LED	1 x STATUS LED 1 x POWER LED
Button	1 x RESET Button
Control Method	LAN (Web GUI & Telnet), RS232 and a third-party controller

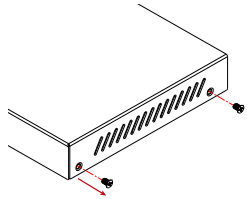
General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	12 VDC 1A
Power Consumption	• 4.5W Max. (without outputting 12V 0.5A using RS232 port) • 10.5W Max. (with outputting 12V 0.5A using RS232 port)
Device Dimension (W x H x D)	93.2 mm x 26 mm x 138.7 mm/3.67" x 1.02" x 5.46"
Net Weight	0.38kg/0.84lbs

Installation

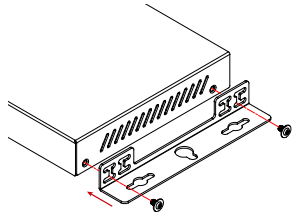
Note: Before installation, please ensure the device is disconnected from the power source.

Steps to install the device in a suitable location:

1. Remove the four screws from the two side panels.



2. Position and install the mounting brackets on the two side panels using the mounting screws provided in package.



3. Mount and secure the device to a surface or a suitable location with the mounting screws (provided by others).

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