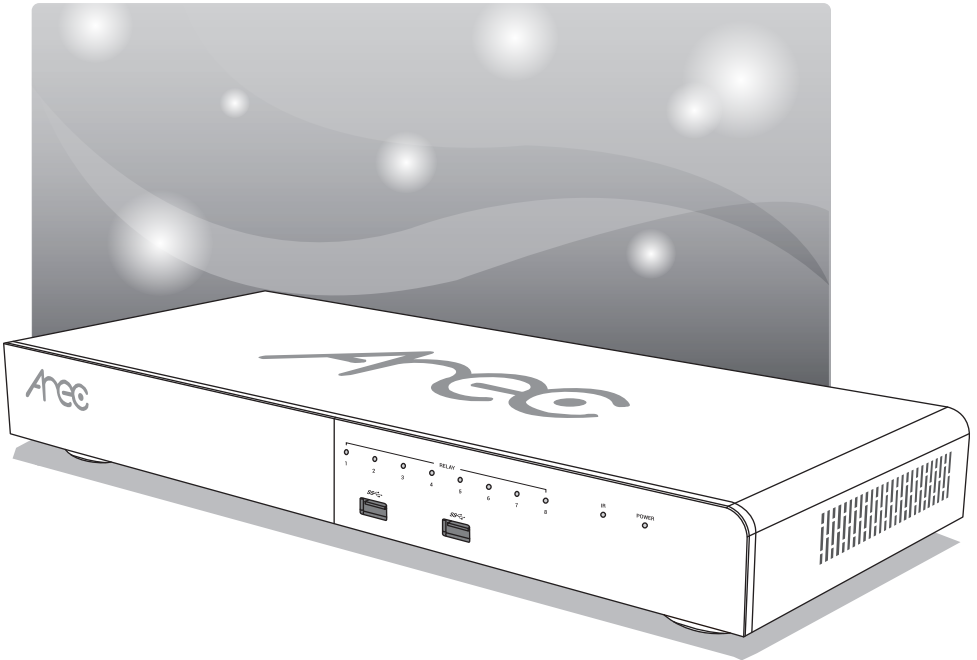




DS-AC1 Control Station

Quick Installation Guide | ENGLISH



**FCC**

Federal Communication Commission interference statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna. -Increase the separation between the equipment and receiver. -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Warning

The equipment complies with RF exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference and
- (2) this device must accept any interference received, including interference that may cause undesired operation

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Notice: Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

**CE**

Hereby, AREC Inc., declares that this Control Station is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

**CB****CAUTION**

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

- the ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.;
- no naked flame sources, such as lighted candles, should be placed on the apparatus;
- attention should be drawn to the environmental aspects of battery disposal;
- the use of apparatus in tropical climates.

the instructions for use shall state that the apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

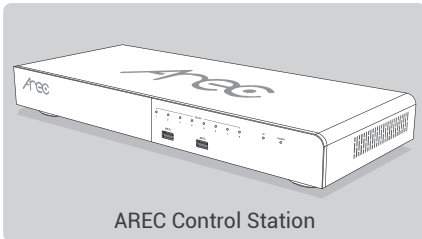
Introduction

The AREC DS-AC1 Control Station is a compact and stand-alone device that offers a variety of features and functions. It can switch and stream multiple video sources, decode IP video inputs, and control AV/HVAC/Lighting devices. It is a complete solution for presentation and control in lecture halls, meeting rooms, or classrooms.

Specifications

Product Name	Control Station
Model Name	DS-AC1
Dimension	406.4mm(L) x 183.4mm(W) x 54mm(H)
Weight	2460g
Power Requirement	12V/3.34A
Power Consumption (Max.)	40W (Max.)
Operating Temperature / Humidity	0°C ~ 40°C / 90%
Maximum normal load description	Input 2 IP video source via LAN port, and connect 1 USB camera, 1 HDMI video source. Switch anyone to output the transcoded video/audio to both HDMI and DP port. And encode to stream out to external server.

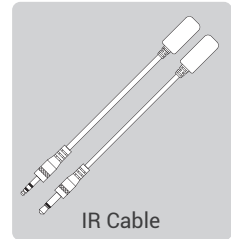
Package Contents



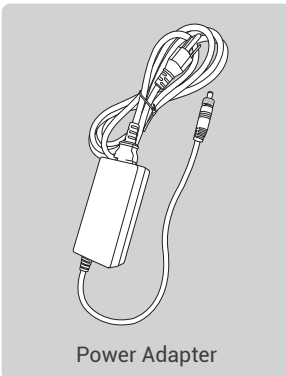
AREC Control Station



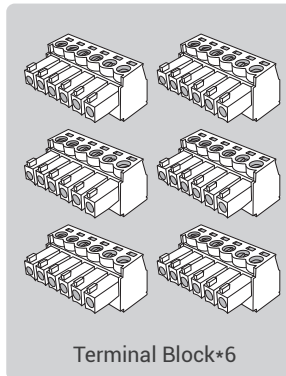
Ear Mount*



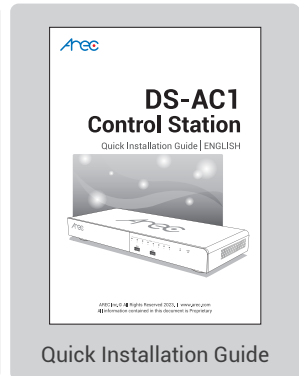
IR Cable



Power Adapter



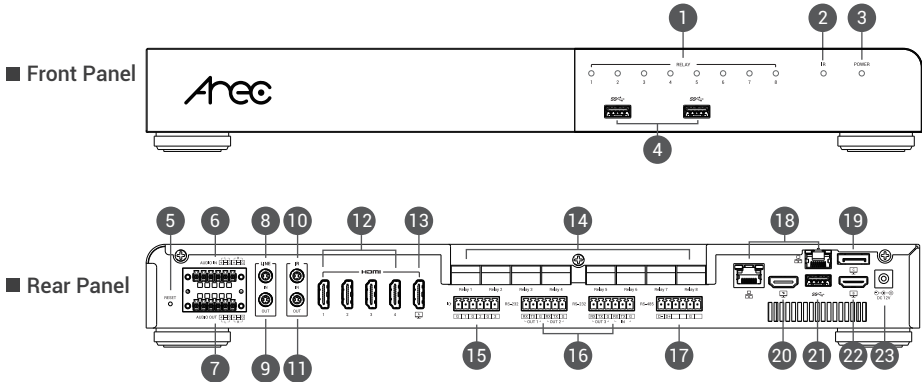
Terminal Block*6



Quick Installation Guide

* Ear Mount. For mounting AREC Control Station in 19-inch 1U rack height.

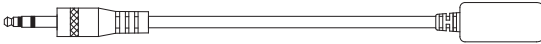
Product Appearance



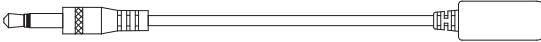
NO.	Name	Brief introduction
1	Relay Indicators	Show the status of each relay ports
2	IR Indicator	Show the status of the IR receiver
3	Power Indicator	Show device status
4	Front USB Ports	USB 3.0 port, for USB mouse control or UVC input
5	Reset Button	Restoring devices to its factory default state
6	Differential Audio Input	Balanced audio-in with a 6-pin Phoenix connector
7	Differential Audio Output	Balanced audio-out with a 6-pin Phoenix connector
8	3.5mm Audio Line-In	Line audio input
9	3.5mm Audio Line-Out	Line audio output
10	IR Receiver*	3.5mm female connectors, supports NEC 38KHz
11	IR Blaster**	3.5mm female connectors, supports NEC 38KHz
12	HDMI-In	HDMI 2.0 1-4 input ports
13	HDMI Loop	HDMI loop out, internal switch from HDMI 1-4 input ports
14	Relay	8 x 3.5 mm captive screw connector, 3-pole Relay control contact rating: 10A/250VAC, 10A/30VDC
15	Digital I/O ports	3 x output ports, 2-pole Digital outputs: 5V tolerance Pin configurations: 1, 2, 3 = digital I/Os 1, 2, 3; G = Gnd
16	RS-232	4 x 3.5 mm captive screw connectors, 3-pole 1x In, 3x Out Signal: RX, TX, GND
17	RS-485	1 x 3.5 mm captive screw connectors, 6-pole Signal: DATA-, DATA+, GND
18	Ethernet (WAN)	2 x female RJ-45 connector 10/100/1000Base-T, half/full duplex with auto-detection

NO.	Name	Brief introduction
19	DisplayPort Out	DisplayPort output switch from IP video sources
20	HDMI 1 Out	HDMI output on-screen graphic user interface for control
21	USB 3.0	USB interface for camera control over RS-232 or mouse control
22	HDMI 2 Out	HDMI output switch from hybrid input sources, e.g. HDMI inputs, UVC video, and IP video stream inputs.
23	Power port	DC in 12V, 3.34A

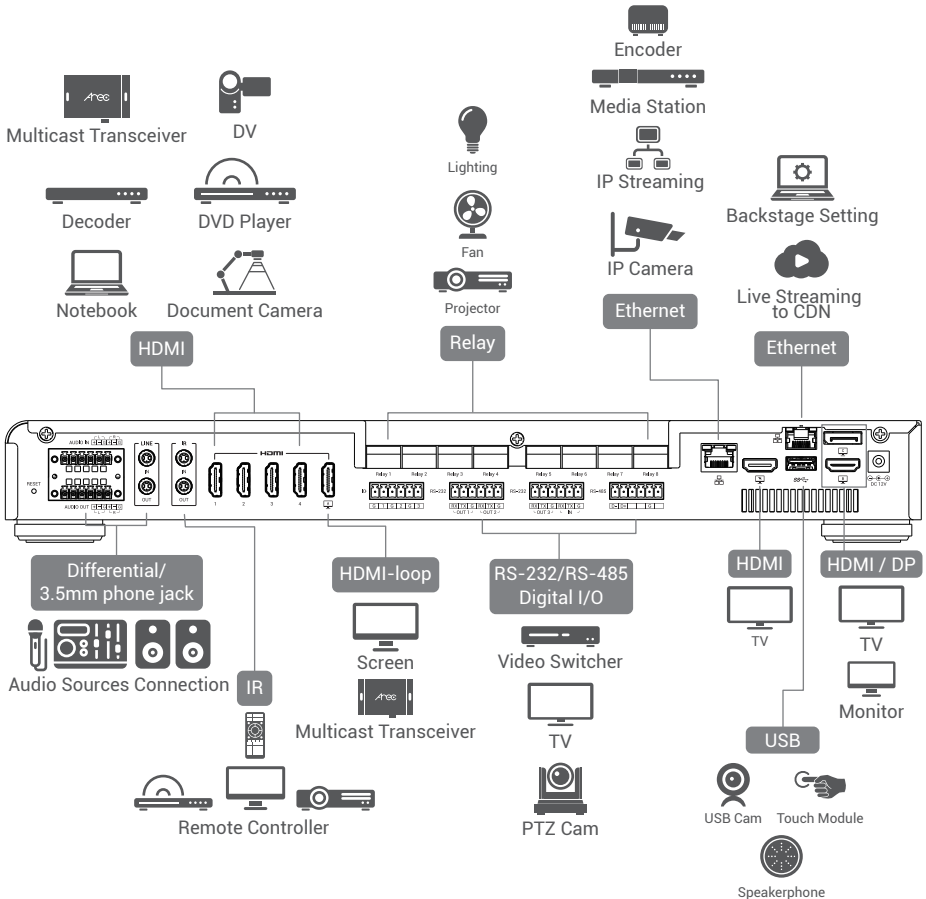
* 10 IR Receiver



** 11 IR Blaster



Connection



Accessing the Administrator pages

Use a network cable (RJ-45) to connect the DS-AC1 control station to the LAN port of the router (or to your Ethernet/IP network environment).

Prepare a monitor and connect it to the Control Station's HDMI 1 out port using an HDMI cable.

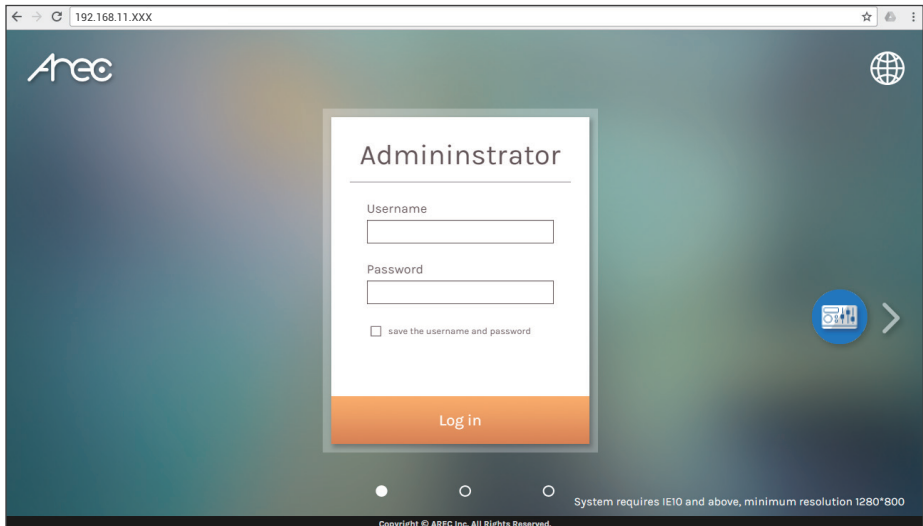
Obtain the IP address from the Graphic User Interface on the monitor.



Connect your computer to another LAN port of the router (or to the same Ethernet/IP network environment) as DS-AC1.

Then, open your web browser and type the IP address you obtained into the address bar.

Enter "admin" as the username and "admin" as the password to log in to the Administrator webpage and begin configuring the Control Station settings.



For the product settings and operation instructions, please refer to the user manual.

Go to www.arec.com to download digital file or contact your local seller for more details.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

Important Security Policy

■ Precautions

1. Please open the product package carefully; we commend you keep this packaging for future transport, storage or maintenance use.
2. There are no switches or adjustment buttons required for operation inside this product, so for your safety, please do not open the casing on your own, or vigorously rotate, shake or use any other inappropriate ways to operate this product in order to avoid electrical shocks and voiding the warranty. You can contact a local dealer directly if you have any questions.
3. Heat will be generated during the use of this product; therefore there must be sufficient ventilation for the temperature of the unit to remain at a stable status. So please use the product under normal environments to prolong the usage life, and avoid installing it in the following environments.
 - Locations that are unstable or have incomplete planes
 - Locations with powerful magnetic fields
 - Locations where it is damp or may have water leakage
 - Locations that are too hot, close to heaters and air hoses, or be exposed to direct sun light for long periods of time
 - Locations that are dusty
 - Locations where there are possible shocks
 - Locations close to power amplifiers
4. If you notice smoke or odor coming from the product, please quickly remove the power cable and send it to a maintenance center for processing.
5. To avoid electrical shock, the plug of the adapter should be stably and completely inserted into the power outlet and cannot be exposed; it must also have sufficient capacity to withstand the current transmission. Please do not plug the adapter into the power outlet before connecting the cable in order to avoid danger.
6. If not used for long periods of time, please unplug the power plug, and to ensure electrical safety, when unplugging the adapter, please hold the plastic part of the adapter with dry hands and then unplug the adapter. Please properly connect the cables according to the printed instructions on the installation manual and the machine to ensure optimized usage effects.



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Made in Taiwan
Date : 2023.12.1
Version : 2.6