



DS-9CU

Speaker Tracking 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 Media Station is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

CB

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.

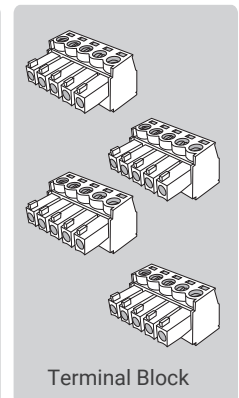
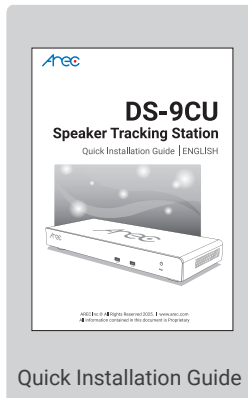
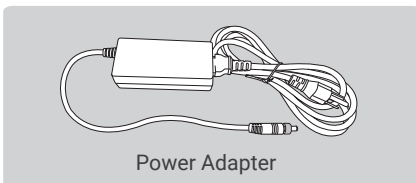
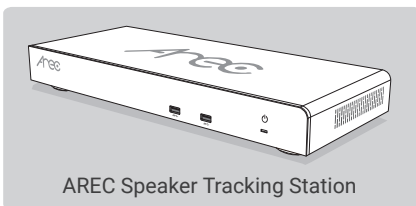
Introduction

Compatible with recommended Conference Microphone System and PTZ Cameras, AREC DS-9CU Speaker Tracking Station enables all of the meeting participants can see the close-up view of the active speaker and a custom graphic together on the local screen clearly. Working with AREC Media Station, all the meeting and discussing content can be recorded completely with auto tracking and auto switching features. The architecture of AREC Speaker Tracking System is simple and can be installed quickly, providing more effective meetings and enhancing user experience.

Specifications

Product Name	Speaker Tracking Station
Model Name	DS-9CU
Dimension	400(L) x 168(W) x 54(H)mm
Weight	2200g
Power Requirement	12V/3A
Power Consumption (Max.)	40W (Max.)
Operating Temperature / Humidity	0°C ~ 40°C / 90%
Maximum normal load description	Maximum Loading Disclosure: Supports two video signal inputs(either HDMI or USB), or up to 9 IP cameras. Output the transcoded video to two HDMI ports and one DP port and one loop out from adjacent HDMI input port. Control up to 5 cameras via RS-232 ports.

Package Contents

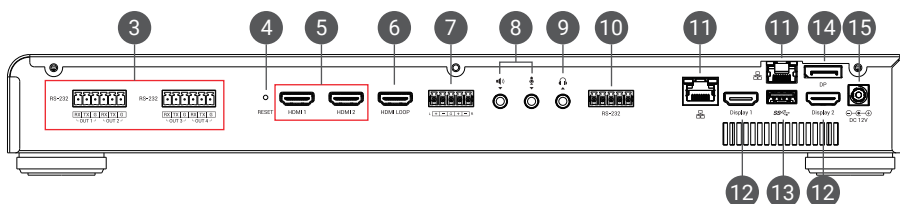


Product Appearance

■ Front Panel

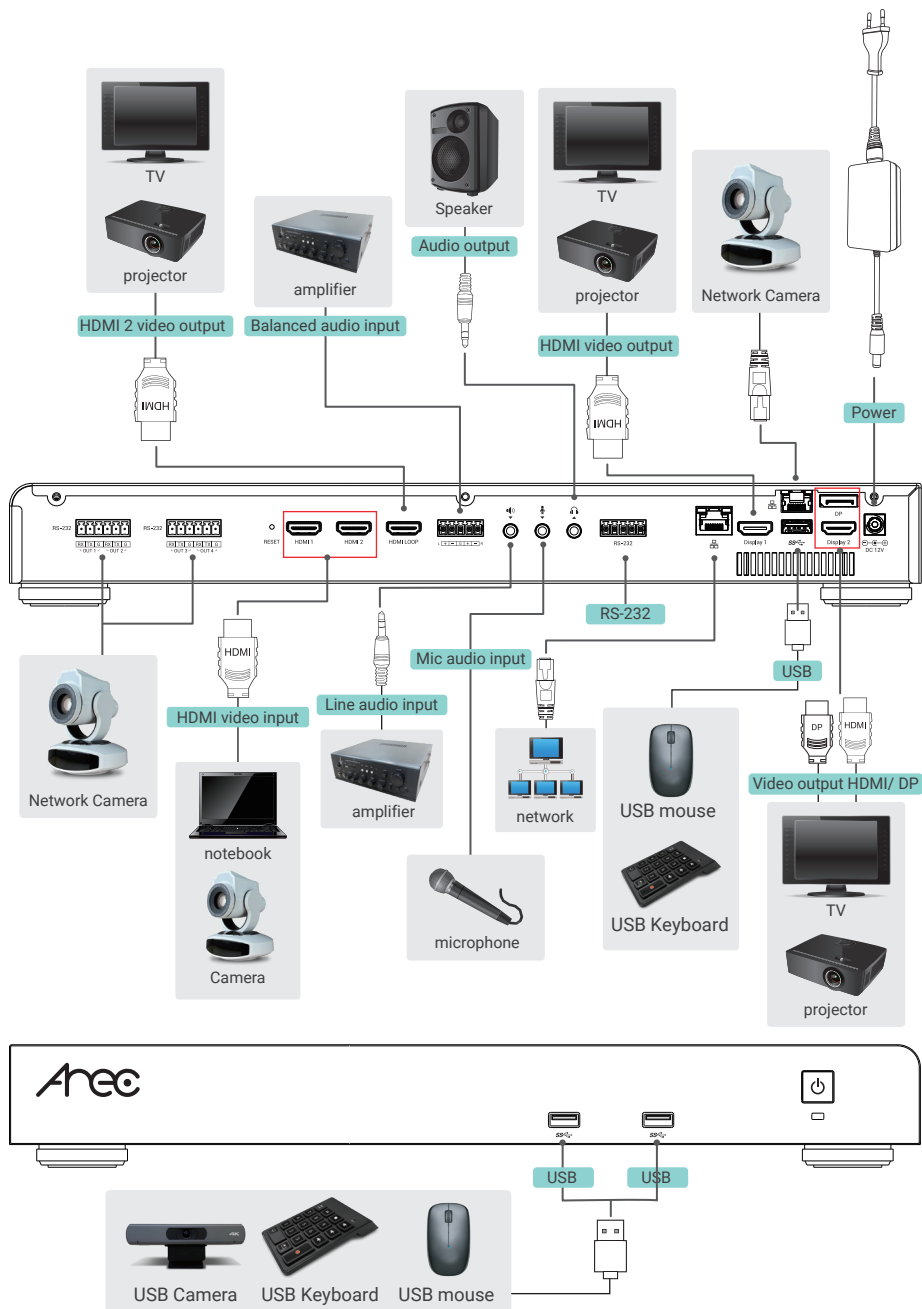


■ Rear Panel



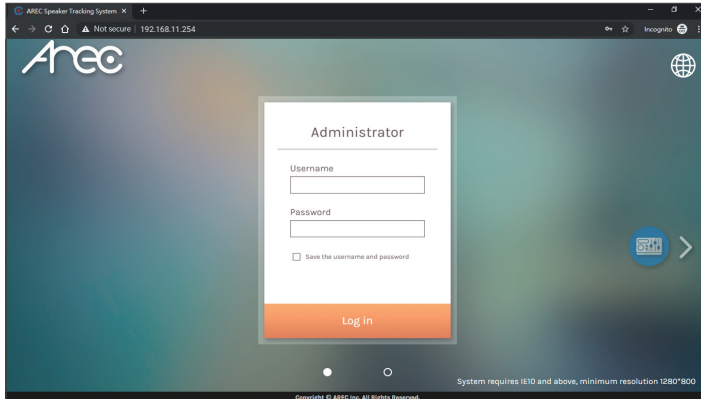
NO.	I/O Interface	Function Description
1	Power Button	<ul style="list-style-type: none"> When the device is ON, push twice to turn OFF. When the device is OFF, push to turn ON.
2	USB 3.0	X2 Available for USB cameras video input or mouse control.
3	RS-232(2-channel)	X2 Defined as output for camera control
4	Reset	Working as the same as software reset
5	HDMI-In	X2 Available for HDMI cameras video input
6	HDMI Loop-out	Loop through HDMI2 input source
7	Audio input	Balanced audio-in with a 5-pin Phoenix connector
8	Audio input	Line audio input / Mic audio input
9	Audio output	Line audio output
10	RS-232(2-channel)	Defined as 1-in-1-out for external controller and camera control
11	Ethernet Port	WAN: For the connection to the internet or local network environment LAN: For the connection with the cameras or PC/NB for settings
12	HDMI-Out Port	<ul style="list-style-type: none"> Quad or 9-split layout for camera preview with GUI tool bar Mixed video preview for multi-speaker
13	USB 3.0	Available for USB cameras video input or mouse control
14	DP Port	Display assigned single source display
15	Power Port	12V/3A

Connection



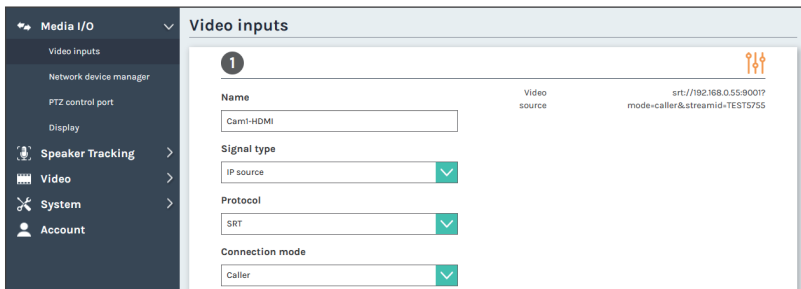
Accessing the Administrator pages

Connect PC to the LAN port of the DS-9CU with standard network cable. Open the browser, and input 192.168.11.254 to access administrator login webpage. Log in with default username “admin” and password “admin”, then entering into System Administration webpages.

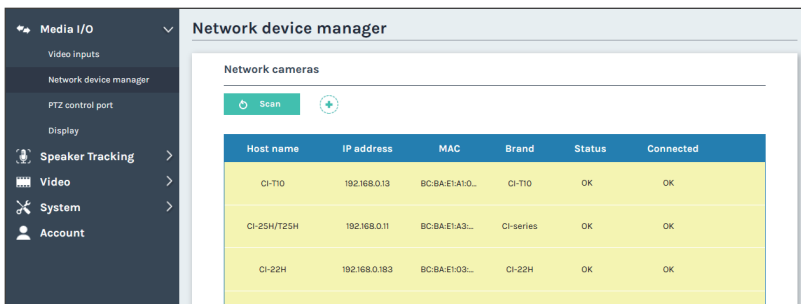


Setup

Step 1: Set up video input names, video sources, and PTZ control via [\[Media I/O\]](#) → [\[Video inputs\]](#). The video source can be either from HDMI or network cameras.



If the desired video source is from the network camera, a login authentication of the camera is required. Go to [\[Network device manager\]](#) of [\[Media I/O\]](#) to add camera sources.



The system would automatically scan and list all the network cameras connected to the Media Station once entering the [Network device manager] page. You may click [Refresh] button to scan again. Click Login button and the login authentication dialog would pop out. Enter the username and password of the camera to complete the authentication and the status would change to show [OK]. Then go back to [Video inputs] page. Select the desired camera by its IP address. Remember to set the PTZ control way as either ONVIF or serial ports, VISCA over IP, NDI and complete related settings.

2

Name :

Signal type :

Protocol :

Primary URL :

Secondary URL :

PTZ control :

Step 2: Set up the connection of the Microphone system with the DS-9CU in [Speaker Tracking \ Control settings] page. Input the IP address of the Microphone system to add into the list. Please make sure your microphone system is in the AREC official compatible list.

Media I/O >
Speaker Tracking >
Control settings
Camera Control
External device control
Video >
System >
Account

Control settings

External system

+ Add

ID	Microphone	IP address	Edit	Delete
1	None	0.0.0.0		
2	SHURE MXA920 / MXA910 / MXA710 / ...	192.168.0.55		
3	SHURE MXA920 / MXA910 / MXA710 / ...	192.168.0.196		

Step 3: Add microphone ID and link it with the cameras' preset points in [Speaker Tracking \ Camera control]. You could also re-define the name for each microphone ID and link it with customized theme of AREC media stations.

Media I/O >
Speaker Tracking >
Control settings
Camera Control
External device control
Video >
System >
Account

Camera Control

Camera Control

+ Add

Microphone	Lock	ID	Video Inputs (Preset)	Ext. Recorder Theme	Preview / Edit
SHURE MXA920 ...		1	Cam3-T10(1), Cam4-TR40(1), Ca...	1 (192.168.0.186)	
SHURE MXA920 ...		2	Cam3-T10(2), Cam4-TR40(2), C...	2 (192.168.0.186)	
SHURE MXA920 ...		3	Cam3-T10(3), Cam4-TR40(3), C...	3 (192.168.0.186)	
SHURE MXA920 ...		4	Cam3-T10(4), Cam4-TR40(4), C...	4 (192.168.0.186)	

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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