

Cisco Table Microphone Pro



Contents

04	Product overview
05	Features and benefits
07	Product specifications
11	Product sustainability
11	Warranty information
11	Ordering information
12	Cisco Services
12	Cisco Capital



Figure 1. The Cisco Table Microphone Pro recessed into the conference table in a boardroom setting, connected with the Cisco Room Panorama conferencing system.



**reddot design award
winner**

Cisco Table Microphone Pro is a multi-directional audio peripheral designed to bring advanced voice capture and audio processing to your meeting rooms of all sizes and thus create an elevated, inclusive audio experience for people joining video meetings remotely.

It is a digital table microphone device that supports Audio over IP technology for supreme sound quality, seamless deployment and scalability, and unified device management while providing seamless plug-and-play connectivity with the latest generation of Cisco room kits and video conferencing endpoints.



Figure 2. The Cisco Table Microphone Pro used with the extended Cisco Room Kit EQ bundle to provide multi-directional speech pickup from a large meeting room.

Product overview

The Table Microphone Pro uses multi-directional voice capture pattern that intelligently tracks and picks up speech only where the voice is coming from and minimizes signals from other parts of the room to enable an immersive and distraction-free audio experience for far end meeting participants. Recognized in the Red Dot Awards for outstanding product design, the Table Microphone Pro is powered and controlled via Power over Ethernet connectivity and augmented by Cisco's proprietary end-to-end encryption when connected to a video endpoint to always keep your team's communications safe and secure. Just like Cisco video collaboration endpoints, it can be centrally managed in Control Hub alongside your entire Cisco collaboration device deployment, providing seamless cloud admin, monitoring, and device analytics for IT administrators.

You can use the Cisco Table Microphone Pro as a single unit or connect multiple microphone devices with video conferencing endpoints through an external switch to solve voice pickup in the largest of workspaces. It works seamlessly with Cisco video bars, collaboration kits and integrated room devices without the need for an external Digital Signal Processor (DSP) unit. The table microphone stands out with its remarkably compact and aesthetic form factor, featuring a capacitive mute button and a tri-color LED light which shows mute status at a distance. To bring flexibility to any deployment, the Table Microphone Pro offers multiple mounting options: it can be placed on the table with the Ethernet cable remaining visible or completely hidden from view or can be recessed into the table for an even cleaner conference table setup and the best possible speech pickup quality.

Features and benefits

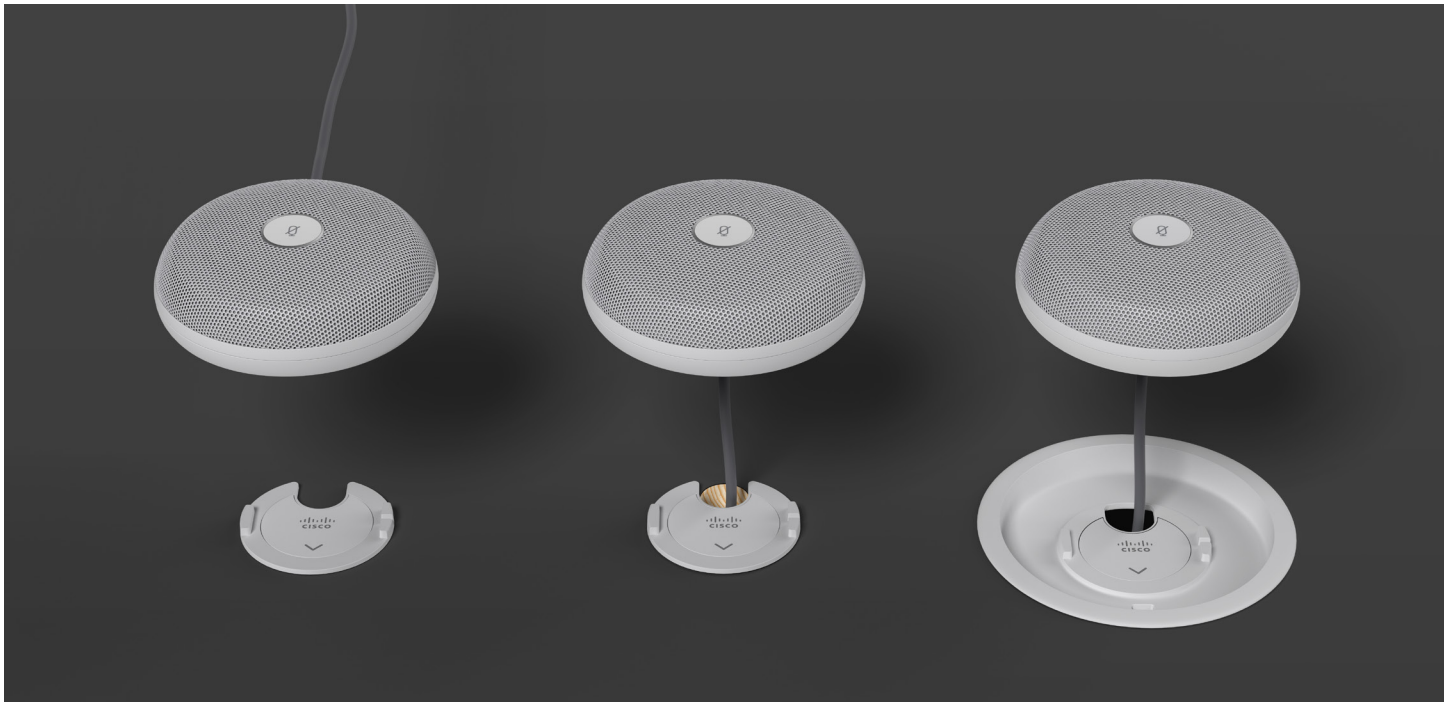
Table 1. Features and benefits

FEATURE	BENEFIT
<p>Multi-directional speech capture</p>	<ul style="list-style-type: none"> Multi-directional, adaptive voice capture that only picks up speech from the active speaker(s) and filtering noise coming from other directions – resulting in a high signal-to-noise ratio and improved acoustic experience for remote participants. Each device contains 4 main microphone elements for voice pickup, enabling a directional capture of audio in the room. This gives remote participants a crisp, spatial sound experience of being in the same room with all participants during calls. It captures participant voices from different directions and delivers multiple streams of high-fidelity audio. The microphone recognizes which side of the table the speaker is on and enables a spatial audio experience for far-end participants (requires a video endpoint or speaker system that supports directional audio to be used on the far end) by emitting sound closer to the in-room participant’s live video feed. The microphone’s built-in noise cancellation architecture and audio processing is augmented by Machine Learning-based noise removal when connected to the video endpoint to block out unwanted noises. Applies intelligent levelling, equalization and mixing of voices captured to enable natural sound for participants on the far end
<p>Unified device management and robust security</p>	<ul style="list-style-type: none"> Powered by Ethernet connectivity, the microphone is fully manageable via Control Hub alongside Cisco video endpoints and collaboration peripherals Eases the IT admin experience with a single dashboard for cloud device management, configurations, and device metrics The microphone is unique in supporting Cisco’s proprietary encryption to help ensure that conversations are captured and processed in a safe and secure way without exposing them to the network, helping organizations meet stringent data security requirements

Table 1. Features and benefits

FEATURE	BENEFIT
<p>Flexible deployment</p>	<ul style="list-style-type: none"> • The microphone is simple to set up and configure and works seamlessly with Cisco video endpoints out of the box, without the need to deploy an external Digital Signal Processor. • It supports Audio over IP (AoIP) technology to help organizations make their room deployment easier to install and scale, leverage better compatibility and manageability, and benefit from excellent, lossless audio quality • Up to 8 microphones can be connected to optimize room coverage (consult with your sales representative about the number of microphones supported by the specific video endpoint). • Each device can connect directly to the video endpoint or to a single switch in case of a series of microphones deployed, meaning only one Ethernet cable is needed between the table and the video system.
<p>Intuitive design</p>	<ul style="list-style-type: none"> • Clear status light: toggling from speech to mute mode is enabled via a concave capacitive touch button that enables silent handling while a discrete tri-color LED gives feedback around mute status. • The design showcases simple and elegant aesthetics and is yet robust for everyday use. Its size is remarkably compact for its powerful capabilities. • The magnetic attachment to the table adapters enables a simple and versatile mounting experience: the on-table configuration provides two optional cable outlets to streamline the cable presence or even hide the cabling completely, and when set up recessed into the table, the microphone blends in even more and hides the cable from view. • The device has been recognized in the Red Dot Design Awards for outstanding product design

Figure 3. Mounting options of the Table Microphone Pro.



Product specifications

Table 2. Outlines the product specifications of the Cisco Table Microphone Pro

SPECIFICATION	DESCRIPTION
Description	Digital conferencing table microphone, supporting cardioid pickup pattern and 4 independent microphone channels
Product compatibility	<ul style="list-style-type: none"> • Cisco Room Kit EQ • Cisco Room Kit Pro • Cisco Room Panorama • Cisco Room 70 Panorama • Cisco Room 70 Panorama Upgrade • Cisco Board Pro (55/75)*
Connector	<ul style="list-style-type: none"> • Attached 11m cable (36ft) with RJ45 Ethernet connector

*Dependent on future software release.

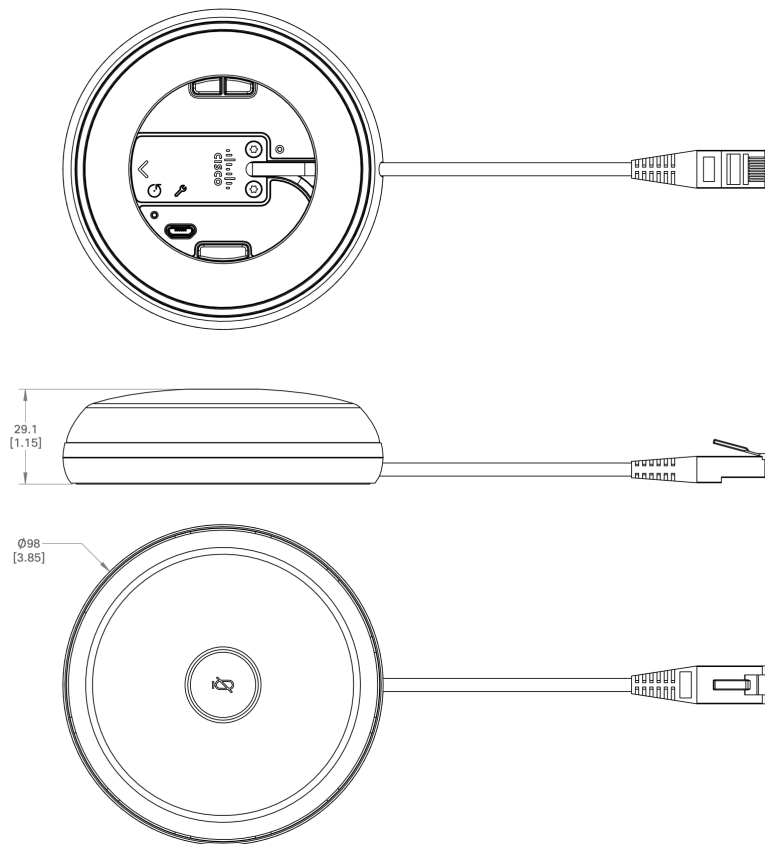
Table 2. Outlines the product specifications of the Cisco Table Microphone Pro

SPECIFICATION	DESCRIPTION
Other ports	<ul style="list-style-type: none"> • Micro USB service port • Factory Reset pinhole
Software features	<ul style="list-style-type: none"> • Acoustic Echo Cancellation (AEC) – Microphone feature • Automatic Handling Noise Attenuation – Microphone feature • Cisco proprietary encryption • AI-Powered Noise Removal • Automatic Gain Control (AGC)
Frequency range	<ul style="list-style-type: none"> • 100 Hz to 16 kHz, +/- 6 dB (on axis)
Free field sensitivity	<ul style="list-style-type: none"> • -22 dBFS +/- 3 dB rel 1V/Pa, 1kHz
Signal-to-noise ratio	<ul style="list-style-type: none"> • Minimum 70 dB
User interface	<ul style="list-style-type: none"> • Capacitive touch mute button in top of the microphone for easy accessibility • Multi-color LED showing mute status • Power light
Mounting options	<p>The Table Microphone Pro can be integrated to the table in two different ways:</p> <ul style="list-style-type: none"> • Flush mounted and recessed into the table • On top of the table (the cabling can be routed through a hole drilled into the table to remain hidden or, alternatively, routed along the top of the cable where the cable remains visible) <p>For more detailed guidance around the microphone placement and mounting options, please consult the Cisco Table Microphone Pro Installation Guide.</p>

Table 2. Outlines the product specifications of the Cisco Table Microphone Pro

SPECIFICATION	DESCRIPTION
Device management	Unified cloud device management, device controls, monitoring, and analytics in Control Hub alongside Cisco video endpoints and peripherals.

Physical dimensions



- Diameter: 9,8 cm (3,85 inches)
- Height: 2,9 cm (1,15 inch)
- 9,8 x 9,8 x 2,9 cm (3.85 x 3.85 x 1.15 in)
- Attached cable length: 11 m (36 feet)

For more detailed dimensions for tabletop and in-table mounting, please consult the [Table Microphone Pro CAD Drawings](#).

Weight	0.29 lb / 0.3 kg
Power consumption	5W - Power over Ethernet

Table 2. Outlines the product specifications of the Cisco Table Microphone Pro

SPECIFICATION	DESCRIPTION
Default components	<ul style="list-style-type: none"> • Microphone unit • Ethernet cable (11m) • Mounting kit for on-table and in-table assembly
Operating temperature and humidity	<ul style="list-style-type: none"> • 0°C to 35°C (32°F to 95°F) Ambient Temperature • 20% to 90% Relative Humidity (noncondensing)
Storage and transport temperature and humidity	<ul style="list-style-type: none"> • -20°C to 60°C (-4°F to 140°F) Ambient Temperature • 10% to 90% Relative Humidity (noncondensing)
Standards and regulatory compliance	<ul style="list-style-type: none"> • FCC CFR 47 Part 15B (EMC) • Directive 2014/30/EU (EMC Directive) • Directive 2014/35/EU (Low-Voltage Directive) • Directive 2011/65/EU (RoHS) • Directive 2002/96/EU (WEEE) • NRTL approved (product safety) <p>Please check the Product Approval Status Database at www.ciscofax.com/ for approval documents per country.</p>
Sustainability	<ul style="list-style-type: none"> • Circular design principles applied for product architecture, materials, and packaging • Foam-free, 100% recyclable packaging with a reduced amount of single-use plastics • Post-Consumer Recycled (PCR) resin used in cosmetic parts originating from end-of-life Cisco devices and old electronics on cosmetic parts • The microphone is designed for easy repair, refurbishing, and recycling to extend the lifecycle of the product and the materials used for manufacturing • Power over Ethernet (PoE) connects and powers the microphone enabling smarter energy consumption. • Cisco’s takeback and reuse program enables you to return your end-of-use devices for free, via a simple, secure, and sustainable process. • Learn more about how Cisco supports the Circular Economy.

Product sustainability

Information about Cisco’s Environmental, Social and Governance (ESG) initiatives and performance is provided in Cisco’s CSR and sustainability [reporting](#).

Table 3. Cisco environmental sustainability information

SUSTAINABILITY TOPIC		REFERENCE
General	Information on product-material-content laws and regulations	Materials
	Information on electronic waste laws and regulations, including our products, batteries and packaging	WEEE Compliance
	Information on product takeback and reuse program	Cisco Takeback and Reuse Program
	Sustainability Inquiries	Contact: csr_inquiries@cisco.com
Material	Product packaging weight and materials	Contact: environment@cisco.com

Warranty information

Warranty information is available on Cisco.com at the [Product Warranties](#) page.

Ordering information

Tables 4 gives ordering information for the Cisco Table Microphone Pro. To place an order, visit the [Cisco® Ordering homepage](#). To download software, visit the [Cisco Software Center](#).

Table 4. Ordering information

PRODUCT NAME	PART NUMBER	COMPLIANCE MODEL NUMBER
Cisco Table Microphone Pro	CS-MIC-ARRAY-T	TTC5-17
Cisco Table Microphone Pro - Spare	CS-MIC-ARRAY-T=	TTC5-17

Cisco Services

Cisco and our partners provide a broad portfolio of intelligent, personalized services and support that can help you realize the full value of your Cisco Collaboration investment by increasing business agility and network availability. Our portfolio of services helps you accelerate business innovation through a network-based collaboration platform that enables businesses to collaborate anywhere, at any time. For more information about these services, visit <https://www.cisco.com/c/en/us/solutions/collaboration/service-listing.html>.

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. [Learn more.](#)



For more information

Learn more about the [Cisco Table Microphone Pro](#)

Read the Table Microphone Pro [installation guide](#)

Explore [best practices](#) for effective video-enabled meeting rooms

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