

Catchbox Plus system

Technical Specifications



Detailed Technical specifications for Catchbox Plus system components: Hub DSP Receiver; Cube, Clip, and Stick microphones; Charging Base and Charging Dock; mounting and storage accessories.

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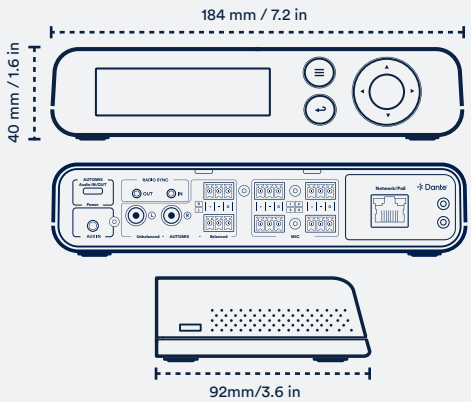
General Specifications			
Audio latency	19 ms	Max # of transmitters in one space	Without radio-sync: up to 10 (EU region); up to 6 (US region) With radio-sync: up to 15 (EU region); up to 9 (US region)
Radio encryption	AES256	Wireless range	100 m / 330 ft (Line of Sight)*
Radio frequency band	DECT / DECT 6.0 (1.8 / 1.9 GHz band) We will ship the product configured to the frequency band based on the delivery address provided.	Operating temperature range	0 °C (32 °F) to 30 °C (86 °F)
		Firmware	v2.2
		Hardware Model	CBRX004

Radio output power Up to 63mW, controllable from Hub

* The actual operating range depends upon the RF output settings, the surroundings, the signal absorption, signal reflection and signal interference

Hub DSP Receiver

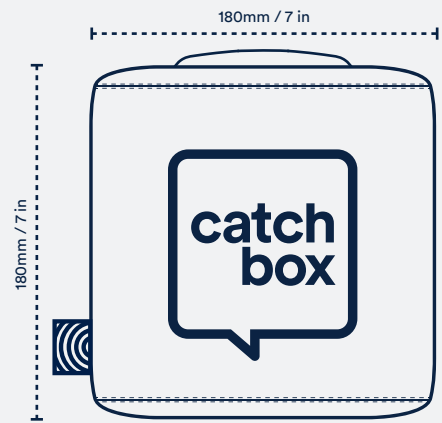
The Hub packs three devices in one - a wireless mic receiver, DSP and mixer. Utilize the built-in DSP and mixer functionality for automated audio management or connect separate mic outputs to your mixer board or DSP for complete control.



Specifications			
Audio outputs	FLEX 1-4 3-pin - unbalanced, Mic level MIXOUT RCA - unbalanced, Line level 3-pin - L&R, balanced, Mic/Line level USB-C -stereo, digital, 48 kHz sample rate	Audio inputs	USB USB-C -stereo, digital, 48 kHz sample rate AUX IN 3.5mm (TRS) - stereo, unbalanced, Line level
Kensington lock	Yes	Dante® audio networking	Audio in & out (4x4)
Remote control & monitoring	API Catchbox Control Software 3rd-party integrations	Power	USB-C (5V / 1.5A) or PoE
Radio sync	2.5mm (TS)	Antenna type	Built-in antennas
Weight (without mounting kit)	300 g / 10.58 oz	Dimensions (without mounting kit)	184 x 92 x 40 mm / 7.2 x 3.6 x 1.6 in

Cube

Throwable audience microphone designed for flexible use across various setups and hybrid meetings. It features a magnetically secured capsule inside a soft cover and automatically mutes while in motion.

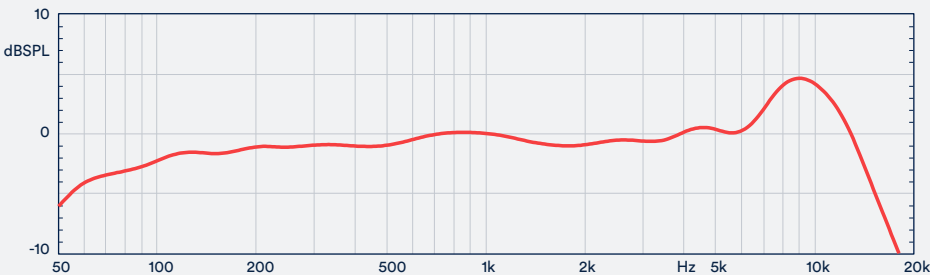


Specifications			
Audio frequency response	50 to 20000 Hz	Battery type	Serviceable, Li-ion, rechargeable
Microphone element, pick-up pattern	Electret condenser, Focused omni-directional™	Battery life	Typical 22h***
Sensitivity	138,9 mV/Pa	Charging Base	Yes (included)
Self-noise	22,3 dB SPL	Battery charge time	Charging Base: 8h USB-C: 4h
Max SPL	≥ 122 dB SPL	Weight	370 g / 13.05 oz
Built-in Automute™ technology	Yes**	Dimensions	180 x 180 x 180 mm / 7 x 7 x 7 in

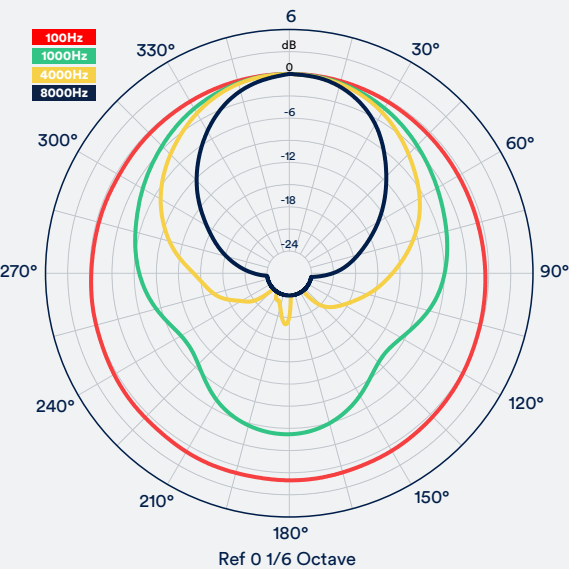
** Automute technology temporarily switches off audio when the microphone is caught, thrown or dropped to eliminate unwanted noise

*** Depends on selected RF power level

Microphone Frequency Response

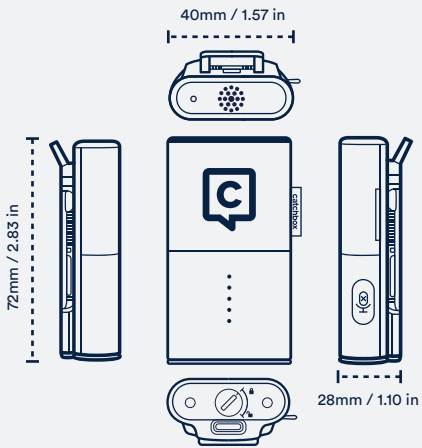


Polar pattern



Clip

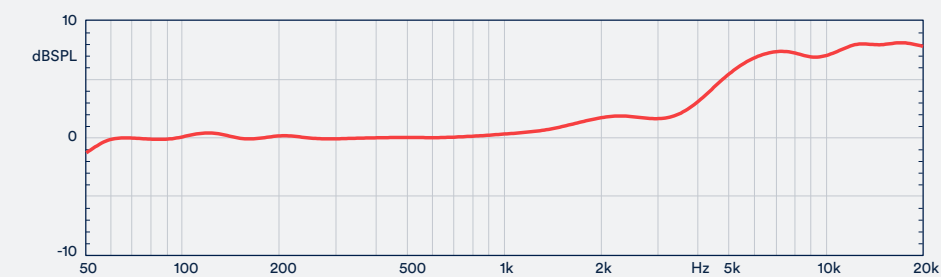
Wearable lavalier microphone built for presenters. It can be clipped directly to clothing or worn around the neck using the included lanyard.



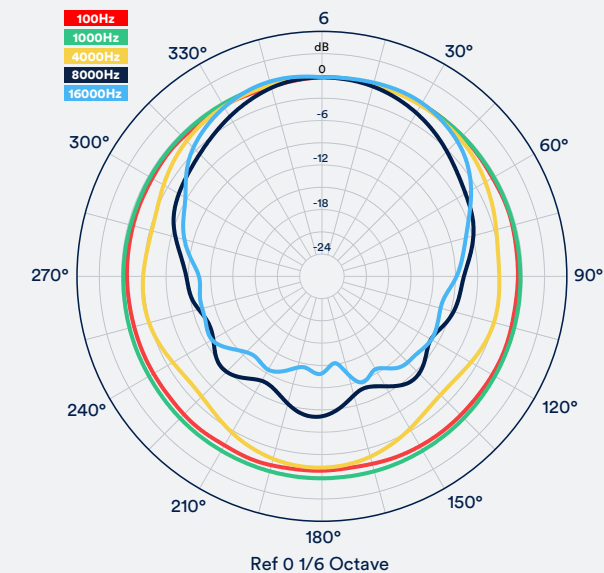
Specifications			
Audio frequency response	50 to 20000 Hz	Battery life	Typical 8h***
Microphone element, pick-up pattern	Electret condenser, focused omni-directional™	Single or Dual dock charger	Yes (included)
Sensitivity	62,8 mV/Pa	Battery charge time	Catchbox dock: 2h USB-C: 2h
Self-noise	18,5 dB SPL	Attachment types	Lever (clip on clothing) Lanyard (wear around the neck)
Max SPL	≥ 125 dBSPL	Weight	57 g / 2.01 oz
Quick-mute function	Yes	Dimensions (with lever)	40 x 72 x 28 mm / 1.57 x 2.83 x 1.10 in
Battery type	Serviceable, Li-ion, rechargeable		

*** Depends on selected RF power level

Microphone Frequency Response

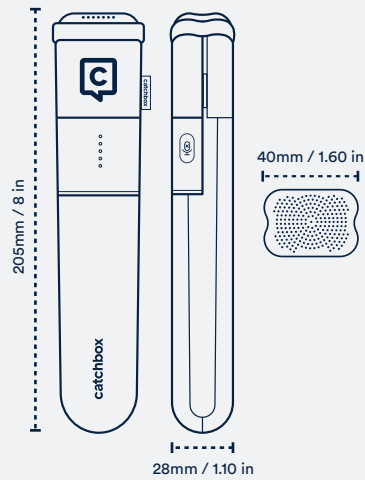


Polar pattern



Stick

Convertible handheld microphone featuring an ergonomic design for a comfortable grip. It easily converts into a lavalier mic to adapt to different presentation styles.

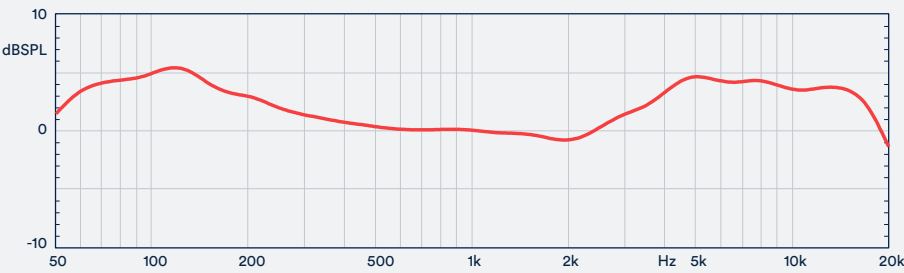


Specifications

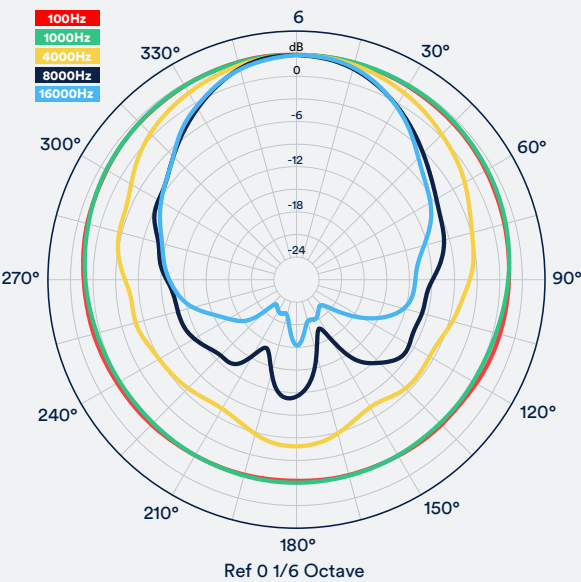
Audio frequency response	50 to 20000 Hz	Battery type	Serviceable, Li-ion, rechargeable
Microphone element, pick-up pattern	Electret condenser, focused omni-directional™	Single or Dual dock charger	Yes (included)
Sensitivity	54,0 mV/Pa	Battery charge time	Catchbox dock: 2h USB-C: 2h
Self-noise	23,5 dB SPL	Attachment types	No
Max SPL	≥ 130 dB SPL	Weight	232 g / 8.18 oz
Quick-mute function	Yes	Dimensions (with lever)	40 x 205 x 28 mm / 1.60 x 8 x 1.10 in
Battery life	Typical 8h***		

*** Depends on selected RF power level

Microphone Frequency Response



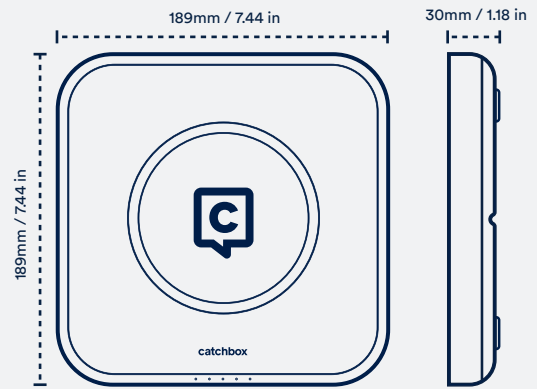
Polar pattern



Charging Base

For Cube

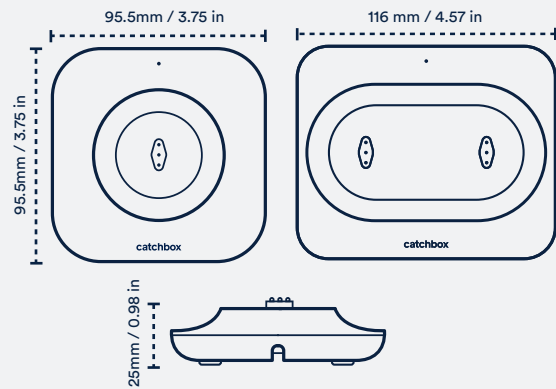
Home station for the Cube.
Place the Cube on the Charging base to
mute the mic and start charging.



Specifications			
Compatible with	Cube	Weight	385 g / 13.6 oz
Charging protocol	Catchbox proprietary	Dimensions	189 x 189 x 30 mm / 7.44 x 7.44 x 1.18 in
Power supply	5V / 3A		

Charging Docks

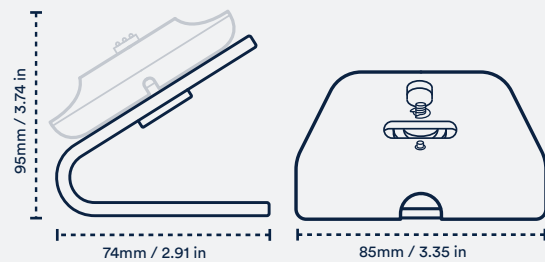
Home station for Clip and Stick mics.
Snap Clip/Stick on the dock to mute the
mics and start charging.



Specifications			
Compatible with	Clip and Stick	Weight	150 g / 5.29 oz
Power supply	5V / 3A	Dimensions	Single: 95.5 x 95.5 x 25 mm / 3.76 x 3.76 x 0.98 in Dual: 116 x 95.5 x 27mm / 4.57 x 3.76 x 0.98 in
Daisy chain	Up to 6 single docks / charging slots		

Dock Bracket

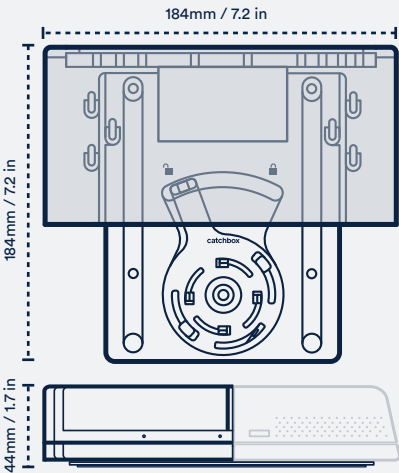
Elevated mount for the Dock Charger.
Attaches to horizontal or vertical surfaces.



Specifications			
Compatible with	Dock Charger (Single and Dual)	Dimensions	85 x 95 x 74 mm / 3.35 x 3.74 x 2.91 in
Weight	500 g / 17.64 oz		

Hub Mounting Kit

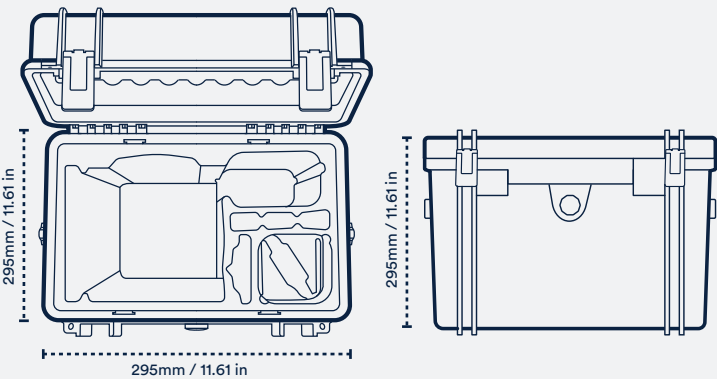
An accessory that allows you to lock and mount the Hub on any direction oriented surface.



Specifications			
Compatible with	Hub	Weight	190 g / 6.70 oz
Mounting options	Dual lock for adhesion mount VESA 100mm pattern for Screw mount	Dimensions	184 x 184 x 44 mm / 7.2 x 7.2 x 1.7 in
Cable manager	Yes		

Storage Case

Dedicated storage case for the Plus system components (1x Cube mic and up to 3 x Clip/Stick mics).



Specifications			
Weight	3 kg / 6.61 lb	Dimensions	410 x 275 x 295 mm / 16.14 x 10.82 x 11.61
Compatible with	Hub, Clip, Cube, Stick Wireless Charger, Dock Charger (single and dual), dock bracket Mounting kit, cables		