

CASTER XD

Rev 1.0 · Sep 2026

Auracast™ Audio Streamer with Dante®

The CASTER XD is a professional Auracast™ streamer that takes its audio over Dante®, with a switchable internal or external antenna for tuning RF coverage to the room.

Both LAN ports run in Bridged mode — Dante® and control together, for daisy-chaining — or in Isolated mode, one port for each. Managed from the built-in web panel or Hive Central.



 AURACAST  Dante®

AUDIO

Audio input	Dante® over LAN 1 or LAN 2	Processing	AGC — automatic gain control
Patching	Dante Controller, or a Dante device with its own routing control (e.g. a console)	High-pass filter	Off / 80 / 120 / 250 Hz
		Low-pass filter	Off / 8 / 12 / 16 kHz

NETWORK

Ports	LAN 1 – 1 Gbps (PoE+ in); LAN 2 – 1 Gbps (PoE out) — both ports always enabled, no license required	Control API	Text-based, UDP port 9000; Crestron driver available
IP addressing	DHCP by default, falling back to 192.0.2.1; or static	LAN port modes	Bridged — Dante® and control on both ports, for daisy-chaining Isolated — LAN 1 for Dante® only, LAN 2 for Bettear control only
Ports & services	HTTP 80; UDP 1337–1339, 9000 (API), 5353; mDNS _caster._tcp		

RADIO

Technology	Bluetooth® 5.3 Low Energy (Auracast™)	Antenna connector	RP-SMA jack (female), 50 ohm — takes an RP-SMA plug (male) antenna
Frequency range	2402 – 2480 MHz (2.4 GHz ISM band)	Codec	LC3 (16 / 24 / 48 kHz)
TX power	Selectable 5–20 dBm via panel or Hive Central	Broadcast modes	Stereo / Dual Mono
Antenna	Internal or external — switchable from the management panel or Hive Central	Secure broadcast	4–16-character password, AES128

REGULATORY

EU / UK	CE (RED 2014/53/EU); UKCA	Australia / NZ	RCM — AS/NZS 4268, CISPR 32, 2772.2, 62368.1
USA / Canada	FCC (Part 15.247); ISED (RSS-247)	Environmental	RoHS, WEEE (Cat. V)
Japan	MIC / TELEC		



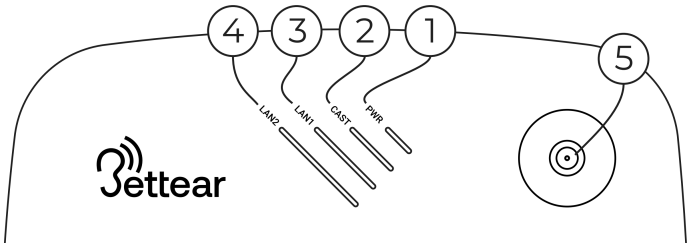
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FRONT PANEL INDICATORS

- 1 Power indicator (PWR)
- 2 Audio broadcasting indicator (CAST)
- 3 LAN 1 connectivity indicator
- 4 LAN 2 connectivity indicator
- 5 External antenna connector (RP-SMA)

The connector is a 50-ohm RP-SMA jack (reverse polarity, sold as RP-SMA female) — fit a 2.4 GHz antenna with an RP-SMA plug to optimise RF coverage. The antenna selection is switchable from the management panel or Hive Central.

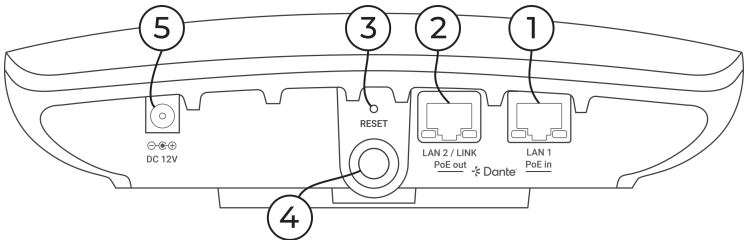


REAR PANEL CONNECTORS

- 1 LAN 1 — 1 Gbps, PoE+ in, Dante®
- 2 LAN 2 / LINK — 1 Gbps, PoE out, Dante®
- 3 Reset button
- 4 Mounting hole — 3/8" internal thread
- 5 Power input — 12 VDC, 2.5 A

Bridged mode — each LAN port carries both Dante® and Bettear control, so either one can daisy-chain the next Dante® device downstream.

Isolated mode — the two roles are separated completely: LAN 1 carries Dante® only and LAN 2 Bettear control only, so the audio and management networks can run on entirely separate switches and cabling.



PHYSICAL & ENVIRONMENTAL

Dimensions	200 × 200 × 51 mm; bracket Ø 84 mm
Weight	419 g (0.92 lbs); bracket 25 g; shipping 589 g
Operating temp.	−12 °C to +40 °C (10.4 °F to 104 °F)
Colors	White, Black
Mounting	Wall/ceiling bracket (included) or 3/8" threaded stand

IN THE BOX & ADD-ONS

Supplied	CASTER XD unit and wall/ceiling mounting bracket
Required	12 VDC / 2.5 A power supply — not included; or power the unit over PoE+
Antenna	2.4 GHz antenna with an RP-SMA plug — sold separately
Compatible devices	RTX receivers; RTX GO; B-PASS; FORGE XD; Hive Central

