

# 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 | <b>Bridged</b> — Dante® and control on both ports, for daisy-chaining<br><b>Isolated</b> — 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                       |                |                                              |



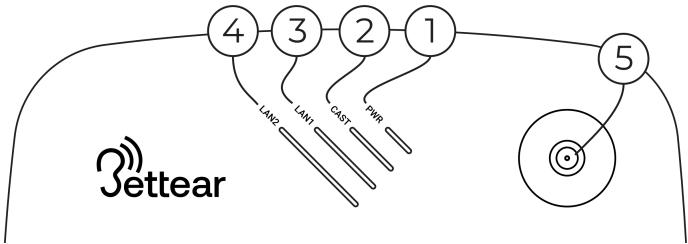
# CASTER XD

Auracast™ Audio Streamer with Dante®

## 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.

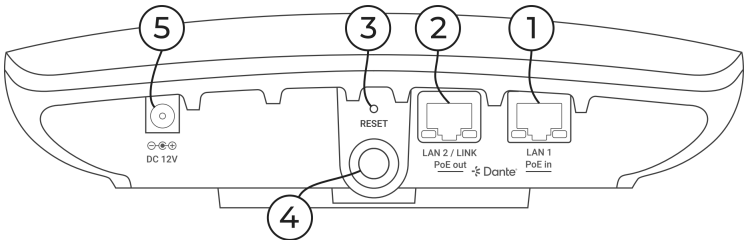


## REAR PANEL CONNECTORS

- 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                   |
| Add-ons  | B-PASS Tap-to-Access reader; RTX receivers; SmartHive and Hive Central  |

