

WIRED CONFERENCE SYSTEM

Digital Network Touch-Screen Unit

Technical reference for the BR-DTS-BU-C/D — a CAT5e wired dialogue unit with the AUDIO-LINK hand-in-hand ring network, OLED display and pluggable gooseneck microphone, configurable as a chairman or delegate station.

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01 · DISCUSSION UNIT

Digital Network Touch-Screen Discussion Unit

CAT5e wired dialogue unit with AUDIO-LINK ring network, OLED display and pluggable gooseneck microphone.

A low-profile table-top chairman / delegate station for wired dialogue conferencing. A single CAT5e cable carries 64 channels of zero-loss digital audio over an AUDIO-LINK hand-in-hand ring network — with hot-swappable units and automatic ID assignment for reliable operation in large rooms.



AUDIO CHANNELS

64 per CAT5e

SAMPLING

48 kHz

DISPLAY

OLED 128×32

CONNECTION

CAT5e RJ45

HEADLINE CAPABILITIES

- CAT5e single-cable · 64 channels
- Hand-in-Hand loop · hot-swappable
- Bright wide-angle OLED display
- AUDIO-LINK full-digital ring network
- Automatic unit-ID assignment
- Chairman / delegate via software

01.1 Features

8 HIGHLIGHTS

- Standard CAT5e and RJ45 connectors across the DIALOGUE series for easy install and maintenance.
- Connection cables route underneath or from the rear to suit any installation.
- Head-set interface on both sides with volume adjustment.
- Line-in interface passes phone / laptop audio through for teleconference.
- AUDIO-LINK digital ring network — full-digital, free of mobile-phone RF interference.
- “Hand-in-Hand-Loop-Network” keeps the system reliable and always working.
- Shows time / date on screen; per-delegate timer reminds the user or auto-closes the MIC.
- Any unit configurable as chairman or delegate through software.

01.2 Functions

AUDIO-LINK · AUDIO · VOTING · CAMERA

- Single CAT5e cable carries 64 audio channels plus system information.
- Zero-loss digital audio — 48 kHz sampling, 20 Hz – 20 kHz response.
- Hand-in-Hand loop keeps the system running when units are changed or fail.
- Each unit auto-assigned a unique ID to avoid duplicate-ID conflicts.
- AGC / AFC / ANC / Auto-Mix processing.
- Built-in intercom functions.
- Hot-swap any system unit; the controller auto-recovers.
- Precise cardioid capsule with anti-wind foam and two-color LED indicator.
- MIC ON/OFF, Priority and Apply / Answer button for the chairman unit.
- Controller settings without a PC — speaker limit 1/2/4/6; OPEN / OVERRIDE / VOICE / APPLY modes.
- Automatic camera-tracking function.
- Hi-fi speaker auto-mutes to prevent howling when the MIC is on.

01.3 Control & Indicators

5 ELEMENTS

- Two-color LED — red = speaking, green = awaiting chairman's acceptance to speak.
- 128 × 32 OLED with volume bar, clock, MIC-active timer, ON/OFF status and more.
- Dedicated indicator for volume adjustment.
- Dedicated indicator for MIC ON / OFF.
- Chairman unit with priority and consent buttons for delegates.

01.4 Interfaces

CONNECTIVITY

- Pluggable gooseneck microphone base
- 2 × 3.5 mm stereo headphone jack
- 1 × 3.5 mm stereo line-in jack
- 2 × RJ45 connectors

01.5 Technical Parameters

DISPLAY · PICKUP · NETWORK

Button	Touchable interface
Sound pickup	Heart-type capacitance
Display	OLED 128 × 32
Sensitivity	-46 dBV / Pa
Directivity	0° / 180° > 20 dB (1 kHz)
Maximum power consumption	2.0 W
Frequency response	20 – 20000 Hz
SNR	70 dB
Equivalent noise	20 dBA (SPL)
Connection	CAT5 / CAT6 cable + snap

01.6 Audio Path & Physical

HEADPHONE · MECHANICAL

Headphone load	16 Ω
Headphone volume	10 mW
Headphone jack	3.5 mm stereo
Line-in impedance	2 kΩ
Maximum sound pressure	125 dB (THD < 3%)
Main material	ABS
Weight	1.1 kg (with microphone)
Dimensions	195 (L) × 120 (W) × 60 (H) mm, without microphone
Operating temperature	0 °C to +55 °C
Color	Black

REFERENCE · SYSTEM PAIRING

- AUDIO-LINK hand-in-hand ring — 64 channels on one CAT5e cable.
- Hot-swappable units with controller auto-recovery.
- Pluggable gooseneck microphone family, multiple lengths.

Disclaimer: due to continuous product development and upgradation, the specifications and image of the product may change without prior intimation.

BRONX

Engineered for Indian boardrooms, ministries, courtrooms and broadcast halls – wired dialogue conference systems from the BR-DTS family.

ABOUT BRONX SYSTEMS

An Indian Original Equipment Manufacturer. ISO certified · MSME · Make in India · NSIC. Bronx Systems supplies professional audio-visual, conference, control-room and signage solutions to government, defence, broadcast and enterprise customers across India.

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DOCUMENT

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