

WIRELESS CONFERENCE SYSTEM

Bronx Dialogue OLED Discussion Unit

Single-product technical reference for the BR-DTS-BU-C/D wireless dialogue unit — a low-profile table-top chairman / delegate station with a 2.23-inch OLED display, pluggable gooseneck microphone and detachable lithium battery.

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01 · DISCUSSION UNIT

Digital Network Table-Top Unit with OLED Interface

Wireless dialogue conference station with a 2.23-inch backlit OLED display and pluggable gooseneck microphone.

Low-profile touch-interface unit that sets up wirelessly in minutes. Runs on mains via built-in DC connector or on a detachable 24-hour lithium battery, with full-digital transmission that stays clear of mobile-phone RF interference. A single chassis is configured as chairman, delegate or dual-delegate through software.



OLED DISPLAY

2.23 inch

BATTERY RUNTIME

24 hours

WI-FI

2.4 / 5 GHz

CONCURRENT UNITS

8 units

HEADLINE CAPABILITIES

- Stylish, low-profile touchable interface
- Line-in for teleconference audio
- Per-delegate speech timer
- 2.23-inch backlit OLED display
- Full-digital — RF-interference free
- Chairman / delegate via software



Low profile, high impact!

Digital Network Table Top Unit With Touch Screen

- Touchable interface
- High-fidelity sound
- Bright OLED screen

01.1 Features

12 HIGHLIGHTS

- Stylish, low-profile design with touchable interface.
- Wireless system sets up in minutes and packs away quickly.
- Built-in DC connector for mains power without a battery.
- Detachable battery pack — 4 h to full charge, 24 h continuous use.
- Pluggable microphone with long-range pickup; supports different gooseneck lengths.
- 2.23-inch OLED display with backlight; signal and battery status icons.
- Head-set interface on both sides with volume adjustment.
- Line-in interface passes phone / laptop audio for teleconference.
- Full-digital transmission — no RF interference from mobile phones.
- Unit shows real-time clock and date on screen.
- Per-delegate speech timer reminds the user or auto-closes the MIC.
- Internal high-fidelity loudspeaker.

01.2 Configurations

CHAIRMAN · DELEGATE · DUAL



Delegate — three-quarter view



Front control panel



Chairman — side profile

One chassis, configured as chairman, delegate or dual-delegate unit through software — no hardware change required between meeting roles.

DISPLAY · CLARITY

Bright & Crisp

A display that captivates.

- Touchable interface
- Internal high-fidelity sound
- Backlit 2.23-inch OLED screen

BRONX

A close-up of the front control panel of the conference unit, showing the 2.23-inch OLED display and touchable interface.

2.23 inch
OLED · 128 × 32

01.3 Functions

WIRELESS · AUDIO · VOTING · CAMERA

- Configurable as Chairman or Delegate unit via software.
- Standard Wi-Fi, compatible with other networks — 2.4 GHz & 5 GHz, all channels.
- Uncompressed full-digital audio, 20 Hz – 20 kHz professional sound.
- 128-bit encryption, WPA2 secure link, MAC filtering and SSID-hiding.
- 8 delegate units can be active at the same time.
- Multi-AP support extends Wi-Fi coverage for large or multi-room setups.
- HD PTZ camera + matrix switcher via RS485 / RS232 (PELCO / VISCA) auto-tracking.
- Precise cardioid capsule with anti-wind foam and two-color LED indicator.
- MIC ON/OFF, Priority and Apply / Answer button for the chairman unit.
- Hi-fi speaker auto-mutes to prevent howling when MIC is on.
- AGC / AFC / ANC / Auto-Mix processing.
- Built-in intercom functions.
- Controller settings without PC — speaker limit 1 / 2 / 4 / 6 units.
- Discussion modes: OPEN, OVERRIDE (FIFO), VOICE, APPLY.
- Real-time clock plus count-down timer for the active speaker.
- 24 h continuous use / 48 h standby with power-saving technology.
- Automatic camera tracking with tracking controller.
- 2.5 mm adapter interface for emergency power supply.
- Built-in MCU; wireless firmware upgrade of all units.
- Voice control with adjustable sensitivity and auto-off time.

01.4 Control & Indicators

6 ELEMENTS

- Microphone two-color LED ring — red = speaking, green = request to speak.
- 128 × 32 OLED with volume bar, clock, MIC-active timer and ON/OFF status.
- Dedicated indicator for volume adjustment.
- Dedicated indicator for MIC ON / OFF.
- Chairman unit with priority and consent buttons for delegates.
- Power ON / OFF button concealed on the left side.

01.5 Interfaces

CONNECTIVITY

- Pluggable gooseneck microphone base
- 2× 3.5 mm stereo headphone jack
- 1× 3.5 mm stereo line-in jack
- Contactor for battery pack
- DC connector for power adaptor
- 2.5 mm emergency power interface

01.6 Technical Parameters

DISPLAY · PICKUP · AUDIO

Button	Touchable interface
Sound pickup	Heart-type capacitance
Display	OLED 128 × 32
Sensitivity	-46 dBV / Pa
Directivity	0° / 180° > 20 dB (1 kHz)
Frequency response	20 – 20000 Hz
SNR	70 dB
Equivalent noise	20 dBA (SPL)
Maximum sound pressure	125 dB (THD ≤ 0.01%)
Maximum power consumption	2.0 W

01.7 Audio Path

HEADPHONE · LINE-IN

Headphone load	16 Ω
Headphone volume	10 mW
Headphone jack	3.5 mm stereo
Line-in impedance	2 kΩ
Line-in jack	3.5 mm stereo

01.8 Physical & Environmental

MECHANICAL · OPERATING

Main material	ABS
Color	Black
Weight	1.1 kg (with microphone)
Dimensions	195 (L) × 120 (W) × 60 (H) mm, without microphone
Operating temperature	0 °C to +55 °C

02.1 Battery Pack — BR-DTS-BAT

POWER · CHEMISTRY

- Long life with lasting charge stability
- 24 hours use after a full charge
- Four hours to fully charge
- Efficient lithium chemistry
- Pop-up pin contactor
- Buckle housing prevents poor contact or dropping

Battery capacity	4900 mAh
Output voltage	7.2 V DC
Weight	285 g
Operating temperature	-20 °C to 60 °C

REFERENCE · SYSTEM PAIRING

- Detachable 7.2 V / 4900 mAh lithium pack — 24 h use, 4 h charge.
- Pluggable gooseneck microphone family, multiple lengths.
- HD PTZ camera + matrix switcher for auto-tracking.

All specifications subject to revision without notice. Custom finish, colour and software modules available on request through your authorised Bronx Systems distributor.

BRONX

Engineered for Indian boardrooms, ministries, courtrooms and broadcast halls – wireless 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

Wireless Conference
Datasheet · 2026

REVISION

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