

WIRED DIALOGUE SERIES

Dialogue Accessories & Discussion Unit

Three-product technical reference for the Bronx wired DIALOGUE series — the BR-DCU-G485 pluggable gooseneck microphone, the BR-HL002 CAT5E conference extension cable, and the BR-DM22SV-C/D CAT5 wired digital discussion unit.

CONTENTS

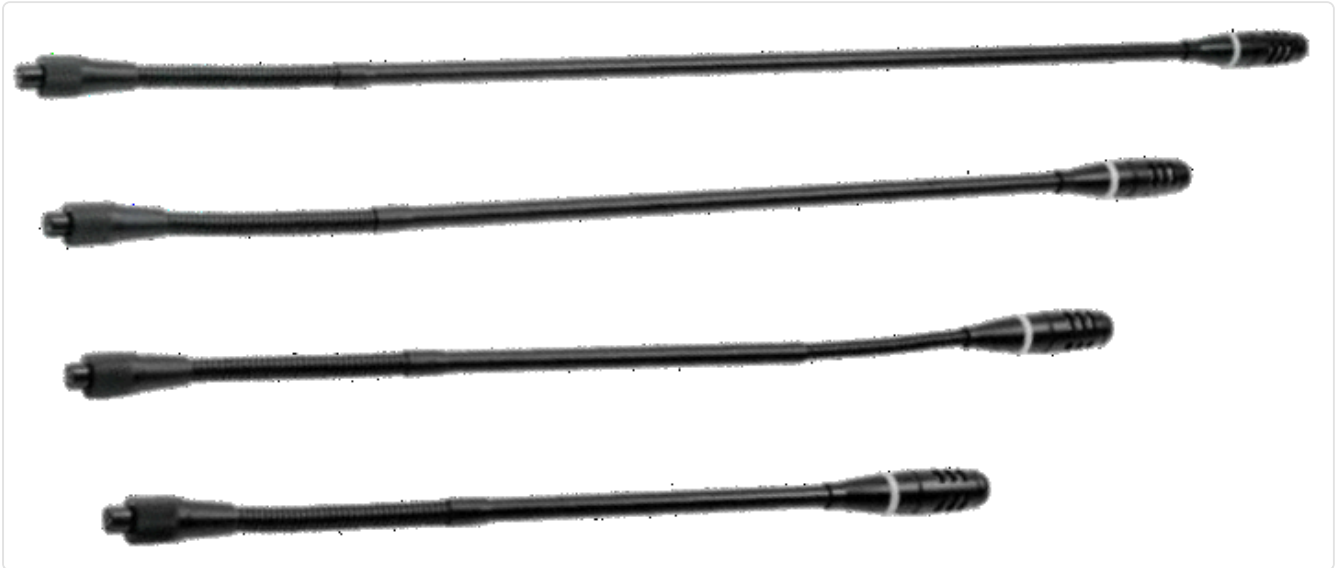
01	BR-DCU-G485	Pluggable gooseneck microphone	02
02	BR-HL002	Professional CAT5E extension cable	03
03	BR-DM22SV-C/D	CAT5 wired digital discussion unit	04 – 06

01 • GOOSENECK MICROPHONE

Pluggable Gooseneck Microphone

Screw-lock removable gooseneck with a two-color LED ring and anti-wind foam, available in multiple lengths.

Precise mini directional capsule that plugs into the DIALOGUE discussion units. The two-color LED ring shows speaking (red) and request-to-speak / awaiting-chairman (green), and the screw-lock socket keeps the microphone secure yet removable.



BR-DCU-G485 — supplied in several gooseneck lengths for chairman and delegate positions.

HEADLINE CAPABILITIES

- Two-color LED — red = speaking, green = awaiting chairman
- Precise mini directional head
- Screw-lock socket for removable microphone
- Anti-wind foam cover

01.1 Features

FORM & PICKUP

- Precise directional microphone head, mini design.
- Two-color LED ring indicator.
- Anti-wind microphone foam cover.
- Strong audio pickup — works with different microphone lengths.

02 · EXTENSION CABLE

Professional CAT5E Conference Extension Cable

Shielded male-to-male CAT5E cable carrying 48 V DC power and signals between the main unit and CU / DU units.

Pre-tested by Bronx and terminated with two shielded male RJ45 plugs, available in lengths from 2 m to 100 m for the DIALOGUE conference chain.



HEADLINE CAPABILITIES

- CAT5E shielded construction
- 2× male RJ45 connectors
- Pre-tested by Bronx
- Lengths 2 m – 100 m

02.1 Functions

POWER & SIGNAL

- Extension cable — main unit to CU / DU unit.
- Carries 48 V DC power and signals.
- Male-to-male cable.
- Available in lengths from 2 m to 100 m.

02.2 Technical Parameters

CONSTRUCTION & PERFORMANCE

Connector	Shielded RJ45
Shielding	F/UTP
Resistance	100 Ω ±15%, 1 MHz – 100 MHz
Delay skew	25 ns / 100 m max
Gauge	24 AWG solid bare copper
Storage temperature	-20 ~ 80 °C
Operating temperature	-20 ~ 60 °C

03 · DISCUSSION UNIT

CAT5 Wired Digital Discussion Unit

Low-profile chairman / delegate unit with an aluminium touch panel, heart-type capsule and the BRONX-LINK ring network.

A basic wired discussion station for the DIALOGUE series. A single CAT5e cable carries 64 channels of zero-loss digital audio over a hand-in-hand ring network, with hot-swap and automatic ID assignment for reliable operation.



SNR	FREQ RESPONSE	MAX SPL	CONNECTION
105 dB	20–20k Hz	125 dB	CAT5 + snap

HEADLINE CAPABILITIES

- BRONX-LINK full-digital ring network
- Touchable interface · low profile
- HD camera auto-tracking
- Heart-type capacitance pickup
- Internal high-fidelity loudspeaker
- Hot-swap with auto-recovery

03.1 Features

NETWORK · INSTALLATION

- BRONX-LINK / AUDIO-LINK digital ring network — full-digital transmission and processing.
- Stylish, low-profile design with touchable interface.
- Standard CAT5e and RJ45 connectors across the DIALOGUE series for easy install.
- MIC-unit cabling routes underneath or from the rear to suit any installation.
- Internal high-fidelity loudspeaker.
- Head-set interface on both sides with volume adjustment.
- Line-in interface passes phone / laptop audio for teleconference.
- Full-digital — free of mobile-phone RF interference.
- “Hand-in-Hand-Loop-Network” keeps the system reliable.

03.2 Functions

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 change or fail.
- Each unit auto-assigned a unique ID to avoid duplicate-ID conflicts.
- Limiter, noise gate, AGC / AFC / ANC / Auto-Mix processing.
- Hot-swap any unit; the controller auto-recovers.
- Cardioid capsule with anti-wind foam, two-color LED; MIC ON/OFF & priority for chairman.
- Hi-fi speaker auto-mutes to prevent howling; head-set both sides with volume adjust.
- Discussion modes: OPEN · VOICE · OVERRIDE · PTT · APPLY · ALL.
- Works with HD camera and video matrix switcher for camera auto-tracking.

03.3 Technical Parameters

PICKUP · AUDIO PATH

Button	Touchable interface
Sound pickup	Heart type
Sensitivity	-46 dBV / Pa
Maximum power consumption	2.0 W
Directivity	0° / 180° > 20 dB (1 kHz)
Headphone load	16 Ω
Headphone volume	10 mW
Headphone jack	3.5 mm stereo
Input impedance	2 kΩ
SNR	105 dB
THD	< 0.05%
Frequency response	20 – 20000 Hz

03.4 Physical & Environmental

MATERIAL · MECHANICAL

Connection	CAT5 / CAT6 cable + snap
Equivalent noise	20 dBA
Main material	Aluminium cover + ABS base
Sensitivity	-20 dBV
Maximum sound pressure	125 dB
Dimensions	120 (W) × 140 (L) × 22 (H) mm, without microphone
Operating temperature	0 °C to +55 °C
Color	Black
Weight	0.9 kg (with microphone)

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 – the wired DIALOGUE conference series.

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.

SALES

sales@bronx.co.in

WEB

www.bronx.co.in

DOCUMENT

Dialogue Series
Datasheet · 2026

REVISION

Rev. A · 6 pages