

Bronx Dialogue Digital Wireless Conference System



BR-DWTS-BU

WiFi Wireless Touch Screen Unit



BR-DCU CU2000-W

Full Digital Networked DSP



BR-MDM-22

CAT5 Wired Digital Basic Discussion Chairman/ Delegate Unit



BR-DCU-G485

Pluggable Gooseneck Microphone



BR-WCH1

Charger for battery
Buckle housing to prevent poor contact or dropping



BR-DCU-AP

2.4 GHz/5GHz Conference Access Point



BRONX

an indian original equipment manufacturer

BR-DWTS-BU



WiFi Wireless Touch Screen Unit

- ✓ Internal high-fidelity loudspeaker
- ✓ Hindi/Devnagri language support
- ✓ Easily expand functions by setting software modules
- ✓ Microphone locking mechanism
- ✓ 2 Headphone Jack

Features

- 4.3-inch capacitive color touch screen with stylish and low-profile design.
- Built-in NFC card reader for quick identification of participants (Card integration software module is not part of standard package, please contact your distributor for the functionality).
- All-in-one touch screen conference unit can be configured into one chairman unit, delegate unit, VIP unit or dual delegate unit according to the different needs of each meeting.
- The integration of 5G WiFi wireless and wired network, dual connection to communicate makes the meetings be not interrupted.
- Three charging methods: replaceable battery power supply, microphone base charging, wired POE network charging. The battery intelligent visual management is carried out in three ways: unit display screen, web server and PC software.
- Wireless communication, setting up all system in few minutes to be ready for using, and put them away in short time as well.
- Detachable battery pack is easy to replace and charge. The battery can provide 24 hours of runtime after it is fully charged.
- Pluggable microphone and long-range sound pickup ability, support different length of microphone.
- Head-set interface in both sides with volume adjust.
- Line-in interface which allows microphone or other line-in device like cell phone, laptop to pass audio through to perform teleconference
- Full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak, will remind user or close the MIC automatically.



Functions

- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 2.4GHz and 5GHz on all channels.
- Full-digital transmission and processing technology in uncompressed audio, professional microphone to achieve perfect sound quality at 20Hz ~ 20KHz;
- 128 bits digital encryption technology, with WAP2 secure connection, MAC address filtering, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit.

- 8 wireless units can be activated at the same time by the users.
- Support more AP working together to increasing the Wi-Fi coverage range for wireless MIC units working in a large conference room or multi-rooms.
- With our HD PTZ camera and video matrix switcher, using RS485 or RS232 protocol to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman unit.
- Built-in high-fidelity speakers, it automatically mutes to prevent howling when press MIC ON.
- Head-set interface in both sides with volume adjustment.
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Cancellation)/ Mix (Auto-Mix) technology.
- Build-in functions for intercom.
- Contains five optional function modules:
 - Voting: three-button / two-button voting
 - NFC identification: Sign in with NFC card to accurately identify user information.
 - Simultaneous interpretation channel: 64 languages independent selection
 - Dual users: Support two participants sharing one unit to achieve camera tracking at two locations; enabling two delegates to vote on one unit
- Without using PC software, our conference controller still owns following settings:
 - Limit on the number of speaking persons: By Setting the number of active units at the same time (Number is 1/2/4/6/8 units)
 - Discussion modes:
 - “OPEN” Free for all, limited by the active units setting by controller, “OVERRIDE” First in First out,
 - “VOICE” Can activate MIC by detecting sound without press button, “APPLY” To apply then to speak with two-color LED indicator.
- The unit showing real time on the screen, and count-down timer for speaking person.
- Detachable battery pack is easy to replace and charge. The battery can provide 24 hours of runtime after it is fully charged. Power-saving technology enables the microphone to be continuously used for 24 hours and stand by for 35 hours.
- Combined with camera and camera tracking controller, it has an automatic camera tracking function.
- Built-in MCU, support wireless upgrade of all units.
- With voice control function, you can adjust the sensitivity of voice control, intelligently turn on the microphone and set the off time.

Control & Indicators

- Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak.
- 4.3-inch capacitive touch display
- Indicator for Volume adjustment
- Indicator for MIC ON/OFF
- Chairman unit with priority button and consent button for the delegates

Interfaces

- Pluggable gooseneck microphone base
- 2x 3.5mm stereo headphone jack
- 1x 3.5mm stereo input jack
- 2x RJ45 connectors
- Contactor for battery pack
- DC Connector for power adaptor

Technical Parameters

- Screen size :109.22 mm (4.3 inches)
 - Resolution: 800x480
 - Screen type: Capacitive and color multi-touch
 - Contactless NFC cards in following standards: ISO / IEC14443 Type A
 - Connection method: CAT5 / CAT6 cable + WiFi wireless + buckle
 - Sound Pickup: heart type capacitance
 - Electrical parameters
 - Power: 48V DC
 - Power saving mode consumption: 1.4W
 - Maximum power consumption: 3.8W(connection with wireless and wired together)
 - Frequency response :20~20000Hz
 - THD at rated level <0.1%
 - Dynamic range> 90 dB
 - S / N ratio≥96dB
 - THD at rated level <0.1%
- Audio input**
- Nominal microphone input 80 dB SPL
 - Maximum sound pressure 125dB (THD <3%)
 - Sensitivity: -46 dBV / Pa

Audio output

- Headphone load: 16Ω
- Headphone volume: 10mW
- Headphone jack: 3.5mm stereo
- Input impedance: 2kΩ
- Loudspeaker nominal output 70 dB SPL at 0.5 m
- Loudspeaker maximum output- 80 dB SPL

Mechanical parameter

- Installation: desktop
- Dimensions (mm, without microphone): 217.5L × 138.5W × 69H
- Color: Black
- Main material: ABS
- Weight (without microphone): 1.0 KG
- Environmental parameters
- Operating temperature 5 °C to +55 °C
- Relative humidity <90%

Item Model for Order

- BR-DWTS-BUWiFi wireless touchscreen unit, battery and microphone are not included
- BR-DWTS-BTYBattery pack for each unit,7.2VDC,6500mA
- BR-WCH1 Charger for battery
- BR-DCU-G485485mm Microphone, with anti-wind foam cover

Optional function license (All these licenses are not part of standard package)

- Dual 64-channel selector software module
- Vote software module
- NFC identification software module
- Dual user software module

BR-DCU-CU2000-W

Full Digital Networked DSP Conference Processor



Functions

- The unique BRONX-LINK digital ring network technology achieve full-digital signal transmission and processing.
- One CAT5e cable to transmit up 64 channels audio and other signals.
- All microphone units support audio, ID independent output. Working with voice recognition system to achieve voice role separation.
- High-fidelity sound quality by lossless audio transmission technology, 48K audio sampling rate and 20Hz ~20KHz frequency response THD at nominal level- <0.1% , Dynamic range->98 dBA , Signal-to-noise ratio - >96.
- A single conference controller can realize the independent control and merging of 4 conference rooms, can handle the cascade of multiple conference controllers to realize the merging and separation of larger conference rooms (Optional).
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units.
- The sensitivity of the unit microphone and 8 segment equalizer EQ adjusted independently.
- Conference controller can output 16 segment equalized EQ to achieve sound field adjustment; pressure limit, which can recognize the noise gate passed by human voice. AGC automatic volume gain control; AFC automatic feedback suppression and auto-mix technology.
- Sound output by separated zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.
- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video conferencing terminal.
- USB recording, controller monitor, advanced noise cancellation technology to realize clearer recording.
- System date, time management, and support count-down speech.
- Optional DANTE output module with other DANTE equipment used (expandable up to 12 I/O ports).
- Can drive 2x120W POE speaker, through extension main unit, support up to 16 POE speakers.

Functions

- The wireless communication between the conference unit and the controller adopts the WIFI standard IEEE 802.11n
- wireless communication mode, while supporting wired communication mode: 100M wired network communication.
- Connect with BR-DCU-EXM full-digital extension main unit, it can expand to 5200 discussion units
- "Hand-in-Hand-Loop-Network" connection and the system assigned to each unit independently ID to avoid ID conflict.
- Both wired/wireless discussion units can connect to the controller, fast and easily to adding delegate of meetings.
- Up to 8 wireless microphones to be turned on at the same time, adaptive avoiding interference technology to achieve stronger anti-interference ability, compliance with IEEE 802.11n standard Wi-Fi both for 2.4GHz and 5GHz.
- 2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input.
- Maximum 8-channel audio output, XLR, RCA or Phoenix type, can be connected to simultaneous 64 interpretation output or partitioned output.
- Add the audio input box, the system can be connected to other condenser microphones or dynamic microphones, more choices for users.
- Built-in multi-way internal communication function.
- TCP/IP connection between controller and PCRS232 central control, realize microphone switch, priority, volume and other controls.
- RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Hot plug-and-play, and auto-recovery function.
- Wide range of voltage from 100V~240VAC
- By using RFID card to identify, can realize voting with names.

Control & Indicators

- LCD display to show all the operations and results
- 4-Way button for menu operate
- One-button press to start recording
- light indicator
- Master volume control knob

Interfaces

- Front panel USB recording interface
- 3.5mm headphone for monitoring
- 1x RCA audio input
- 1x XLR audio input
- 1x RCA audio output
- 1x XLR audio output
- 6x Phoenix audio output connector
- 2x RJ45 digital audio connection
- 2x RJ45 for chairman unit, delegate unit, unit translators and other connection
- 1x RJ45 for wireless AP or router
- 1x DP9 male interface for external control
- 1x DP9 female interface for camera
- 1x three-pin phoenix interface for camera control keyboard
- 1x RJ45 for computer connection or network switcher
- 1x grounding screw
- 1x 100 ~ 240V AC Power Interface

Technical Parameters

- Power 100V / 240V AC
- Static power consumption 12W
- Maximum power consumption 150W
- Frequency Response 20Hz ~ 20KHz
- Noise ratio (S / N) >96dBA
- Total harmonic distortion <0.05%
- Channel Crosstalk > 85dB
- Dynamic range >94dB
- RS-232 control: 1x9-pole Sub-D female socket
1x9-pole Sub-D male socket
- Ethernet control: RJ45 connected to PC
- Mounting: 19" standard rack
- Dimensions (mm) 483L x 260W x43.6H
- Weight: 3kg
- Black color
- Max. audio inputs
- LINE IN 1: +10dBu
- LINE IN 2: +10dBu
- Max. audio outputs
- LINE OUT 1: +12dBu BAL.
- LINE OUT 2: +12dBu BAL.
- LINE OUT 3: +12dBu BAL.
- LINE OUT 4: +12dBu BAL.
- Transmission technology: WIFI 802.1n
- Encryption technology: WPA2-PSK AES
- Working frequency: 5.2-5.8 GHZ
- Output impedance: >1kΩ
- PC communication method: TCP/IP
- Camera control method: RS-232/UDP
- Network Interface: RJ45
- Display: LCD1602
- Limit on the number of speakers: 1/2/4, max in 6 persons
- Camera Tracking Protocol: PELCO-P/PELCO-D/
VISCA
- Operating temperature: 0~45°C
- Storage temperature: 20~50°C

BR-DCU-AP



2.4GHz/5GHz Conference Access Point

- ✓ Typical coverage range 30m
- ✓ Install on ceiling, wall or with stand rack mount
- ✓ Password protection to connect to the conference

Features

- Connect with the Wi-fi conference processor, or with the switch to extend more conference AP in the same system.
- 128 bits AES digital encryption technology, with WAP2 secure connection, MAC address filtering, SSIDhiding to prevent wiretapping and unauthorized access from delegate unit.
- Network/Web based application

Functions

- LED indicator for signal/power.
- 5GHz dual band communication
- LAN support POE- 802.3af power supply
- RJ45 for LAN connection

Technical Parameters

RF	
WLAN Standard	IEEE802.11ac, IEEE802.11a, IEEE802.11g, IEEE802.11b
RF Frequency Bands	2.4GHz ISM / 5GHz UNII
Max Transmission Power	27dBm
Antenna Type	Four built-in 5dBi antennas
POWER	
Supply Type	Power Over Ethernet, 802.3at, DC 12V 1.5A
Supply Voltage (at Power Consumption)	≤13W

NETWORK	
Interface	1×Gigabit WAN/POE Port, 1×Gigabit LAN Port
Link Speed	1200Mbps
Networking Addressing Capability	DHCP or Manual IP address
Cable Length	100m (max)
Cable Type	≥ Cat5e (shielded / unshielded)
Connector Type	1× RJ45
Connector LED	WAN/POE Port (UP LED), LAN Port (Down LED)
USER INTERFACE	
LED StatusIndication	Power, Network Audio, Wireless (Yellow / Blue)
Reset	Push button for Factory Reset
MECHANICAL	
Dimensions	220L×220W×45H(mm)
Color	White
Weight	0.3KG
Mounting Type	Ceiling, Wall or Stand Rack

BR-DWTS-BTY

Rechargeable Battery pack for wireless touchscreen unit

- ✓ Long life and lasting stability of charging performance
- ✓ After fully charged it can use 24 hours



Features

- Three hours needed to fully charge
- Efficient lithium batteries

Functions

- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

Technical Parameters

- Battery capacity: 5000mAh/ 6500mAh
- Output voltage: 7.2VDC
- Weight: 240g
- Operation temperature: -20°C~60°C

BR-WCH1

Charger for battery

- ✓ Contactor by pop-up pins
- ✓ Buckle housing to prevent poor contact or dropping



Features

- 3 hours needed to fully charge
- MAX 10 pcs battery charging at one time
- Wide range power input: 100V~240V AC
- Buckle housing to prevent poor contact or dropping, light in weight for easy moving
- LED indicators for battery monitoring
- Software based monitoring for capacity and testing

Functions

- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

Technical Parameters

- Input: 100 ~ 240VAC 50 ~ 60HZ
- Output: 7.2V/1000mA
- Power consumption: 20W
- Size: 530Lx200Wx52H(mm)
- Weight: 2KG



BR-DCU-G485

Pluggable Gooseneck Microphone

- ✓ Precise directional microphone head with Mini design
- ✓ Two color LED ring indicator
- ✓ Anti-wind microphone foam cover
- ✓ Strong audio collection ability to work with different length of microphone



Features

- Precise directional microphone head with Mini design
- Two color LED ring indicator
- anti-wind microphone foam cover
- Strong audio collection ability to work with different length of microphone

Functions

- Two-color LED indicator on microphone, red for speaking, green means need acceptance from chairman to speak
- Screw lock socket to connect removable microphone

Technical Parameters

Item	G600	G485	G410	G220	
Directivity	Cardioid				
Sensitivity	-46dBV/Pa				
Frequency response	30Hz~20KHz				
Equivalent noise	20dBA (SPL)				
Signal-To-Noise Ratio Ref	≥96dB				
Microphone Type	Condenser				
Dynamic Range	> 96 dB				
Maximum SPL (1 kHz at 1% THD, 1 kΩ load)	125dB (THD<3%), Nominal input- 80 dB SPL, Maximum input- 110 dB SPL				
Conference unit connection	Mini 6 pin.				
Input impedance	2 kΩ				
Working temperature	0~45°C				
Storage temperature	-20~50°C				
Weight	80g	80g	60g	60g	60g
Length	600mm	485mm	410mm	330mm	220mm
Color	black				

BR-MDM-22

CAT5 Wired Digital Basic Discussion Chairman/Delegate Unit



- ✓ Short Square Shape with modern design
- ✓ Low profile in front of speaking person
- ✓ Long distance voice pickup
- ✓ Mic ON/OFF Light indicators on both sides.
- ✓ 4-direction angle adjustable

Features

- Short Square Shape with modern design, low profile in front of speaking person
- Long distance voice pickup up to 80cm
- Mic ON/OFF Light indicators on both sides.
- 4-direction angle adjustable, 100° from left to right. 120° from up to down

Functions

- Designed for high quality sound reproduction in venues such as boardrooms, conference rooms, courtrooms and other such venues.
- The effective sound reception angle of 90° can prevent interference from adjacent microphones and suppress howling.

Technical Parameters

Directivity	Cardioid
Frequency response	60Hz~17KHz
Mic Capsule	2
Sensitivity	-37dB+/-3dB@1KHz (0dB=1V/Pa)
Input impedance	200 Ohms
SNR	69dB (A)
Dynamic Range	91dB
The maximum sound pressure	125dB at 1KHz 1% T.H.D. with C.M.R. of 45dB
Power supply	9-48V Phantom Power
External interface	6-pin/XLR
Weight	180g
Size	36*24*216 (mm) WxHxL
Color	Matte black



Conference Hall



Lecture Hall



Auditoriums



Board Rooms

BRONX

Registered address:

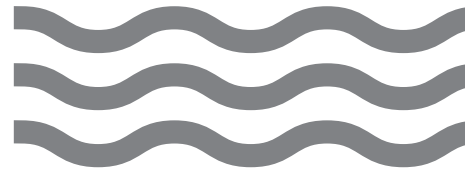
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