# ANISTON



# DH-592D

Wired Delegate Unit

## DESCRIPTION

The DH-592D Wired Delegate Unit is a high-performance conference microphone system designed for structured and professional discussions. Featuring a durable aluminum alloy microphone, it provides clear and reliable speech transmission, making it ideal for formal meeting environments.

The unit is equipped with a red glowing LED ring on the button, offering real-time microphone activation status, ensuring that delegates can easily monitor when they are permitted to speak. For improved usability, the DH-592D incorporates a push-to-talk activation system, allowing delegates to activate their microphones only when authorized by the chairman or system controller. Additionally, it includes a built-in speech timer that automatically starts counting when the microphone is activated.

This feature helps manage speaking time effectively, ensuring that discussions remain well-organized and balanced. Powered by a stable DC 24V system host, the unit ensures interference-free operation, while its 8-core and RJ45 interface enables seamless integration into large-scale conferencing setups. Designed for seamless compatibility with the DH-590M Conference Controller, the DH-592D supports hot-swappable connectivity, allowing microphones to be replaced or added without disrupting the system.

### FEATURES

#### Robust Aluminum Alloy Microphone

- Crafted from high-quality aluminum alloy, ensuring durability and longevity for professional conferencing.
- Delivers consistent and clear voice transmission, making it ideal for structured discussions.

#### Real-Time LED Status Indicator

- Equipped with a red glowing LED ring on the button, indicating microphone activation.
- Provides instant visual feedback, allowing delegates to see when their microphone is live.

#### Push-to-Talk Functionality

- Automatically starts counting when the Delegates can activate or deactivate their microphone with a single button press, following system permissions.
- Enhances meeting structure and efficiency, preventing unauthorized speaking.

#### Integrated Speech Timer

- Automatically starts counting as soon as the microphone is activated, helping manage speaking durations.
- Ensures balanced participation, allowing fair discussion time allocation.

#### Seamless Compatibility with Conference Systems

- Designed for full integration with the DH-590M Conference Controller, ensuring centralized microphone management.
- Features hot-swappable connectivity, enabling easy unit replacement without disrupting ongoing meetings.
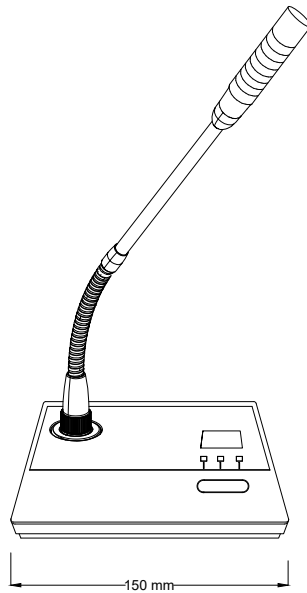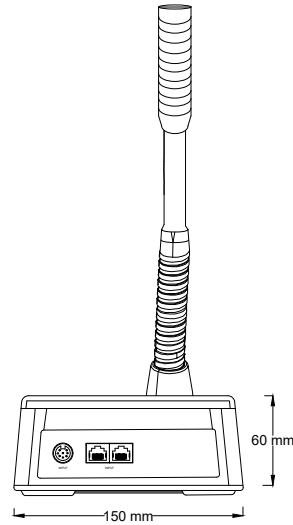
## TECHNICAL SPECIFICATIONS

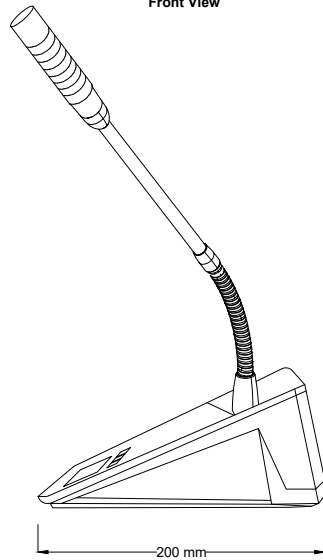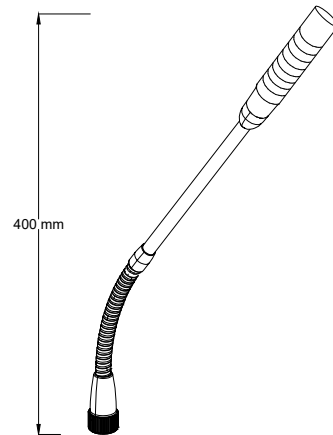| | |
|---|---|
| Model | DH-592D Wired Delegate Unit |
| Product Category | Wired Digital Delegate Conference Microphone Unit |
| System Type | Network-managed Delegate Microphone for Digital Discussion Systems |
| Pickup Pattern | Cardioid directional microphone with front-focused voice capture |
| Microphone Capsule | High-precision electret condenser microphone for professional speech pickup |
| Frequency Response | 80 Hz – 16 kHz optimized for conference speech intelligibility |
| Sensitivity | −45 dB ±3 dB (1 kHz reference) |
| Signal-to-Noise Ratio | ≥ 70 dB for clean and noise-free audio |
| Sensitivity | −45 dB ±3 dB at 1 kHz |
| Signal-to-Noise Ratio (SNR) | ≥ 70 d≥ 70 dB for clean and noise-free audioB |
| Equivalent Noise Level | ≤ 20 dBA low-noise microphone electronics |
| Maximum Sound Pressure Level | ≥ 120 dB SPL for distortion-free loud speech |
| Dynamic Range | ≥ 90 dB for natural voice reproduction |
| Total Harmonic Distortion | < 0.5 % at nominal operating level |
| Microphone Material | Precision-engineered anodized aluminum microphone assembly |
| Gooseneck | Detachable flexible aluminum alloy gooseneck microphone |
| Conference System Interface | 8-core digital conference wiring with RJ45 interface |
| Hot-Plug Support | Live plug-and-play microphone connection without system interruption |
| Delegate Control | Push-to-speak microphone activation with system-controlled access |
| Status Indicator | Illuminated red LED ring showing active microphone state |
| RF & GSM Immunity | Advanced RF shielding against mobile phone interference |
| Power Supply | 24 V DC supplied directly from the conference control unit |
| Power Consumption | ≤ 1.5 W (energy-efficient operation) |
| Base Design | Anti-slip base with internal vibration and noise isolation |
| Operating Temperature | −10 °C to +50 °C |
| Storage Temperature | −20 °C to +60 °C |
| Humidity Tolerance | ≤ 90 % non-condensing |
| Physical Dimensions | 200 × 150 × 60 mm |
| Net Weight | Approx. 1.2 kg |
| System Compatibility | Fully compatible with digital conference control units for chairman & delegate systems |
| Recommended Use | Boardrooms, council chambers, corporate meeting rooms, courtrooms, conference halls |
| Warranty | 3 years standard (extendable up to 5 years) |

**Aniston Technologies LLP**

# PRODUCT DIMENSION

150 mm

**Front View**

60 mm

150 mm

**Back View**

200 mm

**Side View**

400 mm

**Microphone**

**ANISTON TECHNOLOGIES LLP**

anistonav.com
E-mail: info@anistonav.com

Aniston Technologies LLP