# ANISTON®

# DH-590M
## Conference Control Unit

## DESCRIPTION

The DH-590M Conference Control Unit is an advanced central management system designed to facilitate seamless and structured discussions in professional meeting environments. Supporting both DH-592C Chairman Units and DH-592D Delegate Units, it ensures real-time microphone control, multiple discussion modes, and intuitive system operation. With its 4.3-inch IPS touchscreen display, users can easily configure settings, monitor active microphones, and manage participant engagement for a smooth and efficient conferencing experience.

Its GSM interference protection eliminates disruptions from mobile signals, guaranteeing clear and uninterrupted audio transmission. Built with hot-swappable connectivity, the DH-590M allows microphone units to be connected or replaced without interrupting ongoing discussions. The unit features multiple conference modes, including first-in-first-out (FIFO), last-in-first-out (LIFO), chairman priority mode, and full open mode, providing flexibility for different meeting formats.

A speaker limit function enables precise control over the number of active microphones, ensuring an organized and balanced discussion environment. With balanced audio output and RS232 connectivity, it seamlessly integrates with external sound reinforcement and recording systems for enhanced audio management.

### FEATURES

**Conference Management & Control**

- Supports multiple meeting modes including FIFO, LIFO, restricted mode, chairman mode, and full open mode for flexible discussion management.
- Speaker limit function allows customization of the maximum number of active microphones, ensuring structured and balanced discussions.

**Seamless Microphone Integration**

- Compatible with DH-592C Chairman Units and DH-592D Delegate Units, allowing seamless communication and system expansion.
- Supports up to 120 microphone units with hot-swappable connectivity for easy maintenance and installation.

**Advanced Audio Processing**

- Integrated audio mixing and automatic gain control (AGC) ensures clear speech transmission without distortion.
- Built-in GSM immunity prevents interference from mobile signals, delivering uninterrupted audio clarity.

**Touchscreen Interface & System Control**

- Equipped with a 4.3-inch full-color IPS capacitive touchscreen for intuitive system configuration and monitoring.
- Provides real-time status updates for active microphones, speaker settings, and meeting modes.

**External Audio & Recording Connectivity**

- Balanced audio output and RS232 control interface enable seamless integration with external sound reinforcement and recording devices.
- Allows connection to broadcasting, sound amplification, and recording systems for enhanced meeting documentation.

Aniston Technologies LLP

## TECHNICAL SPECIFICATIONS

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|---|---|
| Model | DH-590M Conference Control Unit |
| Compatible Units | Supports DH-592C Chairman Unit & DH-592D Delegate Unit |
| Material & Finish | Aluminium Casing, Matte Black Finish |
| Conference Modes | FIFO, LIFO, Restricted Mode, Chairman Mode, Full Open Mode |
| Microphone Connectivity | 4 x RJ45 Microphone Unit Interfaces, 4 x 8-Core Interfaces |
| Maximum Capacity | Supports up to 120 Microphone Units |
| System Control | 4.3-inch Full-Color IPS Capacitive Touchscreen for System Configuration & Monitoring |
| Speaker Limit Function | Configurable for 1 to 12 Active Microphones at a Time |
| Microphone Activation | Push-to-Talk for Delegates, Chairman Override Control |
| XLR Microphone Input (Nominal) | -56dBV |
| XLR Microphone Input (Maximum) | -26dBV |
| Frequency Response | 30Hz – 20kHz |
| Total Harmonic Distortion (THD) | <0.1% |
| Sample Rate | 44.1kHz |
| Hot-Swappable Microphone Support | Yes (Plug-and-Play Replacement Without System Interruption) |
| Digital Audio Feedback Suppression (DAFS) | Yes |
| Auto Shutdown | Timed Shutdown & Automatic Deactivation for Energy Efficiency |
| Encryption | Yes, IEEE 802.1x Security Protocol |
| GSM Immunity | Yes, Shielded Against Mobile Signal Interference |
| Power Supply | AC 100V-240V, 50/60Hz |
| Output Interfaces | Balanced Audio Output, RS232 Control Port |
| Recording & External Audio Support | Compatible with External Sound Reinforcement & Recording Devices |
| Operating Temperature | -10°C to 50°C |
| Weight | Approx. 4.5kg |
| Dimensions | 19-Inch Standard Rack Mountable Unit |
| Application | Boardrooms, Auditoriums, Government & Corporate Conference Systems |

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