# Embedded software: Full digital conference system audio transmission embedded software V2.25



#### Feature

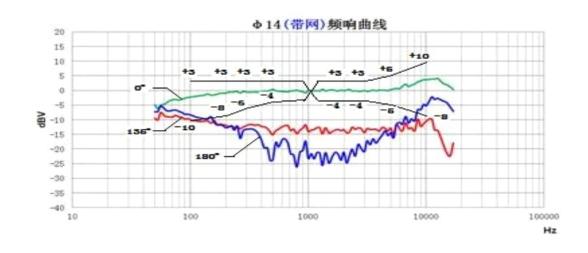
- \* All core components of the microphone use domestically produced chips, which are safe, confidential and controllable.
- \* Digital transmission link, connected to the cascade port of the conference server for power supply through the network port to six-pin aviation cable, uncompressed audio transmission technology, 48K sampling rate, 80Hz-16KHz bandwidth perfect sound quality.
- \* Physical silicone buttons are used to retain the feel of physical buttons while eliminating the clicking sound of physical buttons, ensuring a good venue environment.
- \* The conference PC software supports the function of timing and scheduled speech for the delegate unit. The conference PC software supports the function of timing speech for the chairman unit, and the speaking time is not limited .
- \* Support 5-band EQ adjustment function, adjust sound effects according to voice characteristics of different speakers until the perfect effect is achieved.
- \* Support control function and the voice control sensitivity is adjustable.
- \* With an independent web control page that supports adjustment of microphone ID, microphone sensitivity, microphone EQ and other parameters.
- \* Support the PING packet function.
- \* Supports sign-in function, and can also prohibit unit sign-in, control unit sign-in and other functions through PC software.
- \* Supports web page firmware upgrade function.
- \* Support IP address sniffing function; the ID number, IP address, MAC address and other parameters of the unknown unit can be found through the PC tool.

## Specification

| Microphone Type                 | Cardioid electret                                             |  |  |  |  |  |
|---------------------------------|---------------------------------------------------------------|--|--|--|--|--|
| Frequency response              | 80Hz~16KHz                                                    |  |  |  |  |  |
| Microphone input impedance      | 1000 Ω                                                        |  |  |  |  |  |
| Sensitivity                     | - 40 ± 2 dB (0dB=1V/Pa,at 1KHz)                               |  |  |  |  |  |
| Maximum SPL                     | 120 dB                                                        |  |  |  |  |  |
| SNR                             | >80dB(A)                                                      |  |  |  |  |  |
| Crosstalk                       | >70dB                                                         |  |  |  |  |  |
| Dynamic Range                   | >80dB                                                         |  |  |  |  |  |
| THD                             | < 0.1 %                                                       |  |  |  |  |  |
| Maximum power consumption       | 2W                                                            |  |  |  |  |  |
| Powersupply                     | Host power supply                                             |  |  |  |  |  |
| Network port                    | 2, hand-in-hand cascade ports                                 |  |  |  |  |  |
| Color                           | Graphite Gray                                                 |  |  |  |  |  |
| Installation                    | Desktop                                                       |  |  |  |  |  |
| Microphone rod length and color | 240mm integrated square short microphone rod (light black)    |  |  |  |  |  |
| Dimensions (L×W×H)              | 133.8 × 104.6 × 37.2mm ( excluding microphone rod dimension ) |  |  |  |  |  |
| Weight                          | 0.931kg                                                       |  |  |  |  |  |

### Φ 14 Microphone Core Graphic Coordinates

Frequency response curve



| Frequency(Hz)   | 100 | 200            | 900 | 1000 | 1200 | 2000 | 4000 | 5000 | 8000 |
|-----------------|-----|----------------|-----|------|------|------|------|------|------|
| Upper Limit(dB) | 3   | 3              | 3   | 0    | 3    | 3    | 3    | 3    | 6    |
| Lower Limit(dB) | -10 | <mark>8</mark> | -4  | 0    | -4   | -4   | -5   | -6   | -7   |

#### Microphone core cardioid polar pattern

