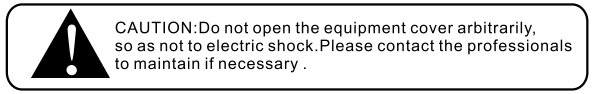
# User Manual




## 16 ZONE REMOTE MICROPHONE

*The products are constantly improving,subject to change without notice.*

## SPECIFICATION

| | |
|---|---|
| Model | |
| MIC input | MIC:600 ohms(Ω) 5mV ,unbalanced |
| LINE IN | LINE:10k ohms(Ω) 10V ,balanced |
| Frequency response | MIC:100 Hz ~ 10k Hz (± 3 dB) |
| THD | <0.5% at 1kHz |
| S/N RATIO | >70 dB |
| Zone controls | 16 channels “CH1 ~ CH16” |
| Control capacity | 8 DCI-10P |
| Max configuration | 5 UNITS |
| Channel output control | MANUAL ON/OFF OF EACH CHANNEL |
| Controls | 1 volume control, 8 unit selectors，16 channel selectors,1 all on，1 all off, 1 power switch, 1address setting,1 button lock,1 tone controller,1 MIC controller,1 LINE IN, 1 LINK output, 1 audio input selector |
| Indicators | Indicators for CH1 ~ CH16,indicators for unit selectors，1 MIC on indicator |
| Protection | AC FUSE×0.5A×1 |
| Power cord | (3×0.5 $mm^2$)×1.5M ( standard ) |
| Power | DC 24V |
| Power consumption | 5~10W |
| Dimensions | 70(H)×238(W)×170(D) mm |
| Carton dimensions | 170 (H)×410 (W)×215 (D) mm |
| Net weight | 2.3Kg |
| Gross weight | 3.2Kg |

Specifications are subject to change without notice.



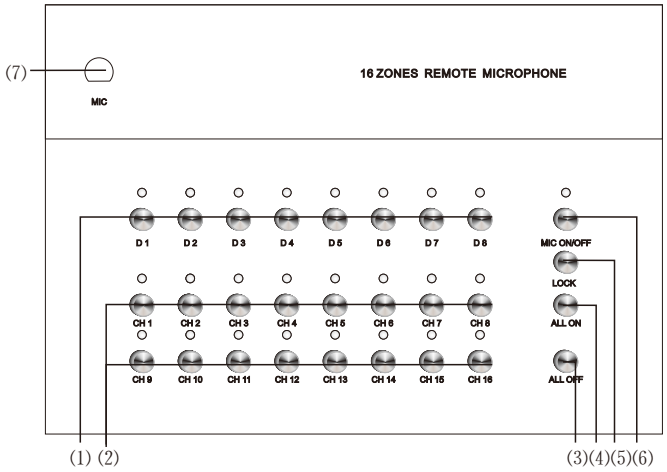


## 16 Zones Remote Paging Microphone

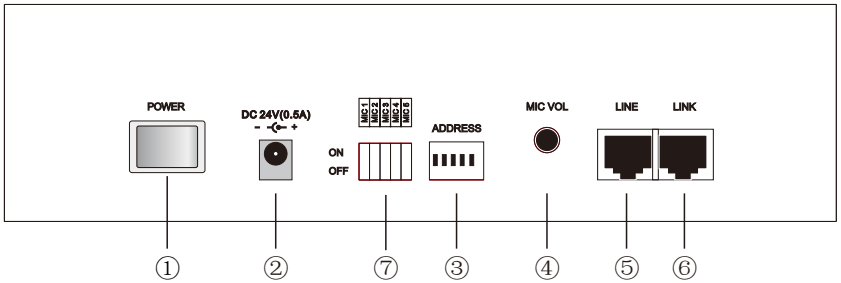
**Features:**

1. 8 selectors for 8 different audio matrix units and 16 channel selectors, paging capacity up to 128 channels, remotely controllable
2. Easy operation with ALL OFF/ALL ON buttons
3. Goose neck MIC with control button
4. Controller for prompt tone
5. Balanced audio signal input for quality and distant transmission
6. Connector for series microphones connection
7. One output jack for STP connection ,transmitting audio signal and control signal simultaneously

**Physical Description**




(1) Paging unit selector（D1~D8）
(2) Zone selector（CH 1~CH 16）
(3) All off
(4) All on
(5) Button lock
(6) MIC controller
(7) Goose neck microphone




①Power switch ③Address setting ⑤connection input ⑦2816S connection

②DC input Jack ④MIC volume control ⑥connection output

**Operation**

**1. Basic operation**

**1) Power control**

This unit is supplied with DC24V, controlled by the switch on the rear panel.

**2) Selection of audio matrix units**

Total 8 audio matrixes can be controlled by this unit. Press the selector corresponding to the specific matrix before starting paging. Default selected unit is 1 at power up.

**3) Selecting channel**

16 selectors correspond to 16 different channels in this unit . After a matrix is selected, user selects the specific channel with channel selector, and the corresponding light will illuminate. As hot swap is not supported, all connections should be made before turning on the system. Units in this system should be turned on at the same time to ensure simultaneous operation. Since a safe inquiry system is applied to this unit, there may be a pause when selecting channels. When user want to page a specific channel but the channel has already been occupied by another microphone (a different source), this paging can not be effected and the indicator light will blink.

**4) All on/all off**

If all zones are to be selected, this can be achieved with the **All on** switch. It can also be all de-selected with **All off** button.

**5) Microphone control**

Microphone can be muted during a speech with a control button, when the light above the button lights, it is in talking mode. When the light goes out, it is in silent mode.





**6) Prompt tone control**

This unit is not supplied with a built-in tone, however user can trigger a tone through the selected paging unit by pressing the tone

**7)Selection of paging channel**

The paging channel selector is dialed down to select an audio input for the microphone paging. In this matrix, RMIC1~RMIC5 correspond to audio inputs B~F respectively. Only one audio input can be selected for microphone paging at a time. For instance, to select an audio input for RMIC1, the first selector is dialed down, and the rest are dialed according to such an analogy. In case the selector is wrong for the microphone paging, no paging can be realized.

**8) Address configuration**

This unit is utilizing a 5 digit address configuration with a Dip-switch. The first switch when switched down indicates address 1, the second when switched down indicates 2, and the rest can be deducted by this analogy.. If more than two switches are switched down error in configuration results. Maximum 5 Zone paging Microphones can be configured in the system, among which no two addresses are allowed to be the same otherwise may result in control disorder.

**2. Typical connection diagram**

This unit is only connected to the audio matrixes to realize the paging function. To page several audio matrixes, connection is made between this unit and one of the zone paging selectors, and all those matrix units are connected through the connection terminals.

