

WB-100

WB-100 Operating Manual



Specifications:

Power Supply: DC24-52V Phantom Power
Current Consumption: 8mA (typical)
Microphone Type: Condenser, Fixed-charge back plate, permanently polarized
Polar Pattern: Cardioid (permit angle of acceptance of 120°)
Frequency Response: 65Hz-18KHz
High-pass Filter: 80Hz, 18dB
Sensitivity: -36 dB at 1 Pa with 1V
S/N Ratio: >67dB
Output Impedance: 200ohms
Size (mm) : 110 (W) x18 (H) x110 (D)
Weight (g) : 300

WB-100 is a wide-range condenser cardioid boundary microphone, designed for the flat surface mounted application. It is designed for high quality professional recording, television, broadcast, conference and other demanding high quality sound pick up applications

Ultra-quiet electronic switch can be set to any of four operating modes: "touch - mute", "touch - on", "touch-to talk" and "touch-to-mute". It control the microphone to pick up the sound, and show the status with the power indicator light s on or off.

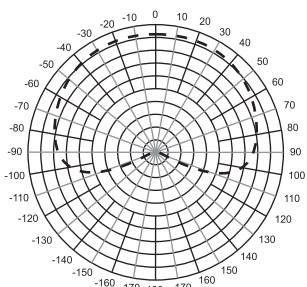
The microphone switch can control or be controlled by external automatic central control system or other devices. The indicator light s on or off indicate actual status of external device to pick up sound.

The elements permit angle of acceptance of 120° (the cardioid on the surface), the internal power module work with DC 24V to 52V P phantom Power. Heavy die-cast case and non-slip silicon foam bottom pads minimize coupling of surface vibration to the microphone.

WB-100 should be on the flat surface without any barrier in the environment. The sound source should be on the front of microphone, the permit angle of pick up should be between surface to the 60° .

RFI-shielding technology offers rejection of radio frequency interference (RFI).

POLLAR PATTERN



sound pressure curve : 5dB/scale

The audio output is with low impedance, the audio signals is output by the internal TB5M XLRM pin 2 (positive phase) and pin 3 (negative phase), the pin 1 is output as GND. The pin 4 is input by external switch control, the pin 5 is output by external switch control.

The cable color:

- Audio output :thick black --- shield
- Yellow ---- positive phase level
- Green ----- negative phase level
- Control :thin black --- GND
- BLUE----- external control input
- Red----- external control output

The internal high quality high pass filter circuit, can easily change the flat frequency response to the attenuation below 150Hz . High pass filter can reduce the oral whiff when speak close to the microphone , and can reduce low frequency noise , such as the outer car engine sound, the sound of air conditioning system ,echoes in a room and mechanical vibration noise.

Output electric level may be gradually and permanently attenuated when microphone is exposed in the high temperature. Microphone should not be exposed in the sunshine place or the place where the temperature is over 43 degree or with high humidity.

OPTIONAL ACCESSORY:

P-48V1S Power Supply

Mode selection	Touch switch function	Power indication	External control output status	External control input function
ON/OFF	Press talk, press again mute	Follow the switch (on when Start)	Follow the switch (0 when Start)	Input 0,talk
OFF/ON	ress mute, press again talk	Follow the switch (on when Start)	Follow the switch (1 when Start)	Input 0,talk
PTT	Long press, talk	Long press ,on	Long PRESS ,output 0	Input 0,talk
PTM	Long press, mute	Long press ,off	Long PRESS ,output 1	Input 0,mute