

VOSS AUDIO WIRELESS MICROPHONE P-3100



Key Features:

- Wideband transmission (50MHz) with segmented receiving technology (two independent 25MHz sub-bands).
- Each of the two receiver channels supports 100 selectable frequencies.
- Standard 1.5U metal chassis with built-in dual-channel receiving circuitry, offering professional-grade durability, heat resistance, and harmonic interference isolation.
- Equipped with dual-mute control based on **audio tone and RF signal strength**, effectively preventing interference from other AV devices.
- Features an **ACT (Auto Channel Targeting)** function: simply press the SET button to automatically and precisely sync the transmitter to the receiver's operating channel—ensuring error-free operation.

Wireless Gooseneck Microphone Receiver – Technical Specifications:

- **Display:** LCD screen simultaneously shows RF/AF signal strength, channel, frequency, mute level, and more.
- **Oscillation Mode:** PLL (Phase Locked Loop) frequency synthesis.
- **RF Stability:** $\pm 0.005\%$ (within $-10\sim 50^{\circ}\text{C}$).
- **Carrier Frequency Band:** UHF 500690MHz).
- **Bandwidth:** 50MHz.
- **Frequency Adjustment:** Use \wedge / \vee to select frequency, then press "SET" to instantly sync the transmitter to the same channel.
- **Receiving Method:** Dual-conversion superheterodyne.
- **Sensitivity:** $> 80\text{dB S/N}$ at 6dBv input with 40KHz deviation.

- **Max Deviation:** $\pm 68\text{KHz}$ with audio expansion.
 - **Overall S/N Ratio:** $>105\text{dB}$ (A-weighted).
 - **Total Harmonic Distortion (THD):** $<0.5\%$ @ 1KHz .
 - **Frequency Response:** $50\text{Hz}\sim 18\text{KHz}$ $\pm 3\text{dB}$.
 - **Max Output Voltage:**
 - Independent Balanced: $+10\text{dB}$ (2.5V) / 600Ω
 - Mixed Unbalanced: $+4\text{dB}$ (1.25V) / $5\text{K}\Omega$
 - **Mute Control Mode:** Dual mute with **audio tone and RF signal strength**.
 - **DC Power Supply:** 12V / 500mA .
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Wireless Gooseneck Microphone Transmitter – Technical Specifications:

- Designed to prevent interference from mobile phone signals.
- **Body Material:** Plastic injection molding.
- **Oscillation Mode:** PLL phase-locked loop frequency synthesis.
- **Carrier Frequency Band:** UHF $640\sim 690\text{MHz}$.
- **Bandwidth:** 50MHz .
- **Frequency Adjustment:** Automatically syncs to receiver's working channel.
- **Output Power:** High: 70mW / Low: 10mW .
- **Harmonic Emission:** $< -55\text{dBC}$.
- **Max Deviation:** $\pm 45\text{KHz}$.
- **Preset Channels:** 200.
- **Frequency Response:** $50\text{Hz}\sim 18,000\text{Hz}$.
- **Directivity:** Supercardioid.
- **Sensitivity:** $-80 \pm 3\text{dB}$.
- **Output Impedance:** 750Ω .
- **Battery Type:** $2 \times \text{AA}$ batteries.
- **Operation Display:** LCD shows battery level, channel, and low battery warning.
- **Max Transmission Range:** 300 meters.