S1690R/S1690T
UHF Wireless Communication System
User Manual

The system components include:
- Bodypack Transmitter/1.5VAA Batteries
- Receiver/1.5VAA Batteries
- User Manual

S1690R Receiver Features:
1. Volume Control Knob
2. Earphone Jack
3. RF / Battery Indicator
   - Green: Power On
   - Red Flashing: Battery Low
4. Antenna
5. Battery Cover
6. Channel Selector:
   - Select from 16 channels.
   - Receiver and Transmitter must be on the same channel.

S1690T Transmitter Features:
1. Microphone Jack
2. Battery Indicator
   - Green: Power On
   - Red Flashing: Battery Low
3. Power Switch: ON / MUTE / OFF
4. AF Gain Button: 10dB / 0dB / -10dB
5. Antenna
6. Battery cover
7. Channel Selector:
   - Select from 16 channels.
   - Receiver and Transmitter must be on the same channel.

Wearing the Bodypack Transmitter:
Clip the bodypack transmitter clip to a belt, or traverse guitar tie through the bodypack transmitter clip, as the left picture shows. For best results, slide the transmitter until the belt is pressed against the base of the clip.

Battery Replacement:
A fresh alkaline battery lasts up to 6 hours. When the LED flashed RED, the battery should be replaced.

Adjusting Gain:
Normally you do not need to adjust the gain and should be left at 0dB. For loud vocal, switch to -10dB. For soft vocal, switch to +10dB.

Operating Range under Typical Condition
50m (150ft.)
Note: actual range depends on RF signals absorption, reflection, and interference.

Audio Frequency Response (+/- 3 dB)
60Hz ~ 16KHz

Total Harmonic Distortion (+/- 30 KH deviation, 1 KHz tone) <1%

Dynamic Range
>90 dB (A - weighted)

Operating Temperature Range
-10°C to +50°C
Note: battery characteristics may affect the range

Technical Data:
Frequency Range and Transmitter Output level

<table>
<thead>
<tr>
<th>Band</th>
<th>Range (MHz)</th>
<th>Transmitter RF level</th>
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<tbody>
<tr>
<td>UA</td>
<td>584-608MHz</td>
<td>13dBm</td>
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</table>

Receiver
- Audio Output Level Maximum (ref. +1-30 Khz, 1 Khz) 50mW
- Audio Noise Output <90 dBm for 30dB SINAD, typical
- Image Rejection > 55 dB
- Dimensions 3 1/2" H x 2 1/2" W x 3/4" D
- Weight 2.1oz without batteries

Battery
- One “AA” size alkaline or rechargeable batteries

Battery life >6 hours (Alkaline)

Bodypack Transmitter
- Audio Input Level Maximum >300mV
- RF Power 9dBm
- Input Impedance 10KΩ
- Dimensions 3 1/2" H x 2 1/2" W x 3/4" D
- Weight 2.1oz without batteries

Battery
- One “AA” size alkaline or rechargeable batteries

Battery life >6 hours (Alkaline)