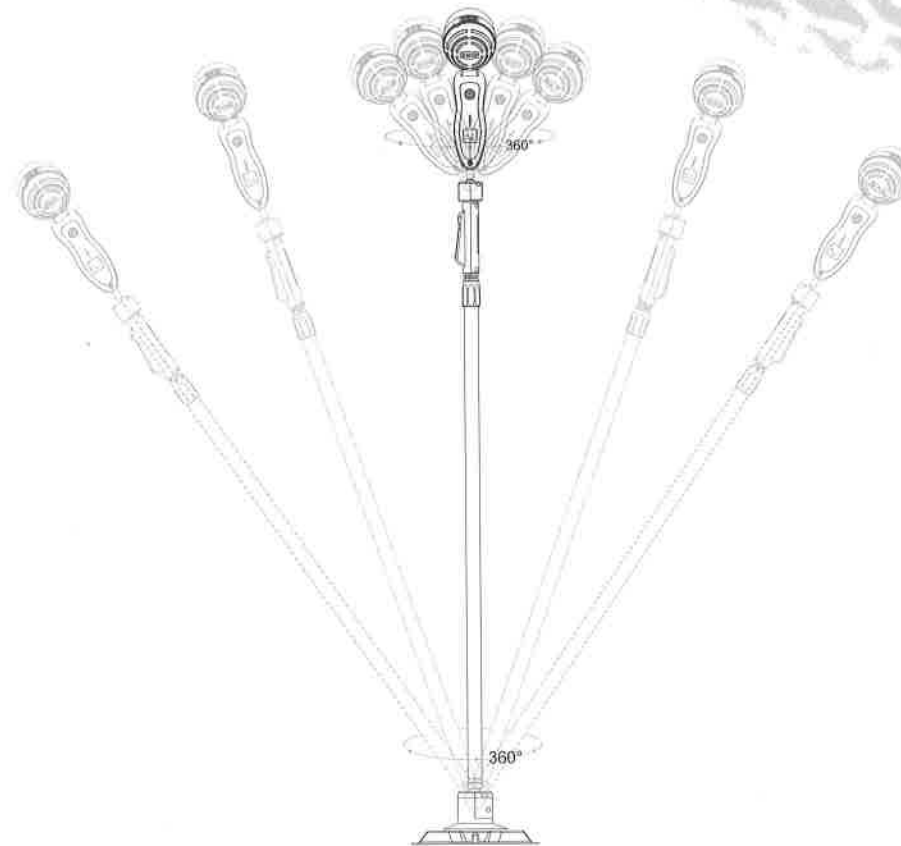


Diversity Receiver
100 Channel



Big Star Wireless



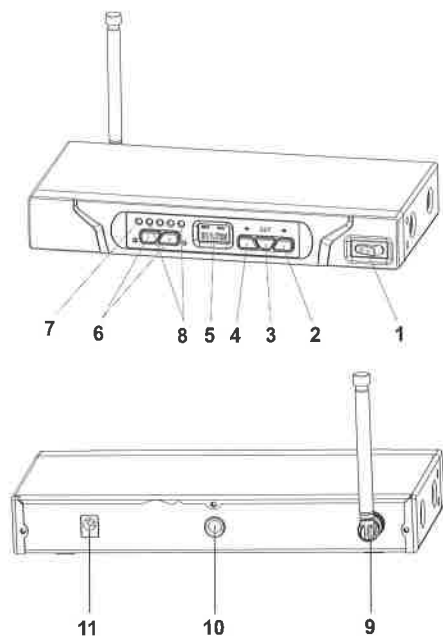
USER MANUAL

i30 Specification (U. S. A) 2016

Wireless Receiver	
Carrier Wave Frequency range	660-690MHz
Frequency Oscillation Mode	PLL module locked loop design
Channels	100CH
Frequency Responses	50Hz--18KHz
Working distance	100feet
Frequency Space	300KHz
Band Width	30MHz
Carrier Wave stability	$\pm 5\text{PPm} \leq 10\text{KHz}$
Image Interference Ratio	> 80dB
S/N Ratio	> 60dB(1KHz-A)
Sensitivity	-95dBm(12dB S/N AD)
T.H.D. (1KHz)	< 0.5% @ 1kHz
AF Output Impedance	2.2 Ω
Audio Output Level	-12dB
Mute	Mute & locked loop circuit
Display	LCD
Operations Voltage	8v Dc, 1700mA
Output Connector	Unbalance TRS6.3mm Socket
Transmitter	
Dynamic Range	>110dB
Stability	$\pm 0.005\%$
Frequency Deviation	$\pm 44\text{KHz}$
Spurious Emissions	< -60dBc
RF Output Power	10mW
Power Consumed	$\leq 100\text{mA} @ 3\text{V}$
Battery	UM3, AAA 1.5v x 2
Display	LCD

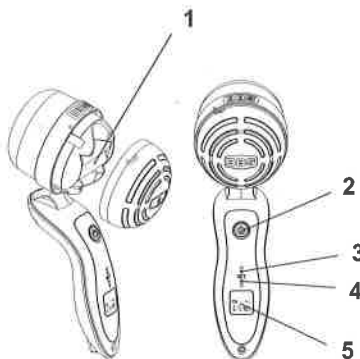
Receiver

- 1 Power button
- 2 Right button
- 3 SET button
- 4 Left button
- 5 LCD display
- 6 VOL + -
- 7 Singnal (green)
- 8 VOL (red)
- 9 Antenna
- 10 Unbalanced connection
- 11 DC input connection



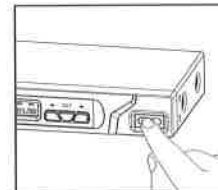
Transmitter

- 1 Battery tray
- 2 Power button
- 3 Up button
- 4 Down button
- 5 LCD display

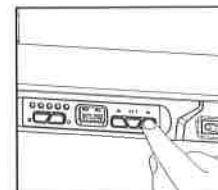


Receiver

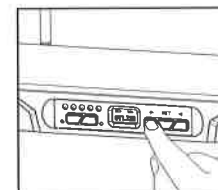
1. Press the power key. Long press the switch for two seconds or swing the switch, turn on or turn off the receiver.



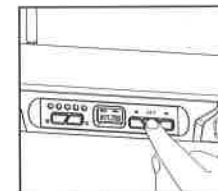
2. Press the right adjustment keys. When there is not on the frequency adjustment process, this key is invalid. When there is on the frequency adjustment process, regardless of short press or long press, are upwardly adjusting the frequency values; as it reaches the upper limit of frequency, pressing this key which is invalid.



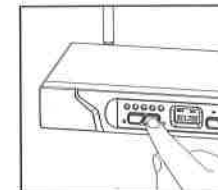
3. Press the left adjustment keys. When there is not on the frequency adjustment process, this key is invalid. When there is on the frequency adjustment process, regardless of short press or long press, are downwardly adjusting the frequency values; as it reaches the bottom limit of frequency, pressing this key which is invalid.



4. Press the set key (SET). Press and hold 2 seconds, until the LCD displays "SET FRQ" , then it enters the frequency adjustment process; after then, press either the left or right key to set the desired channel. Press the key again, the LCD display shows "CAN CEL", quit the frequency adjustment process and lock the channels automatically.



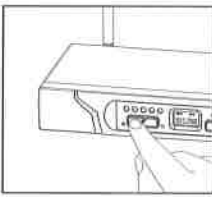
5. Press the volume "+" key. Press this button adjusting the volume of receiver until the upper; when it reaches the upper limit of the volume, and pressing this key which is invalid.



OPERATION STEP

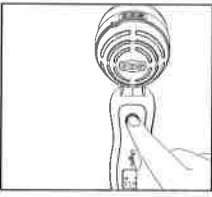
Receiver

6. Press the volume "-" key. Press this button adjusting the volume of receiver until the bottom; when it reaches the bottom limit of the volume, and pressing this key which is invalid.

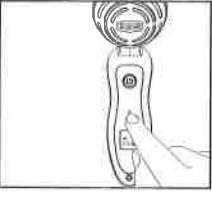


Transmitter

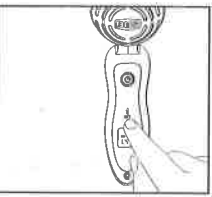
1. Press the power key. Long press this key for two seconds, to turn on or off the handheld transmitter.



2. Upward adjust key. When there is not on the frequency adjustment process, short press the key without any function, and LCD displays LCD ON. Press and hold 3 seconds into the frequency adjustment process, LCD display the SET FRQ. Once it enters the frequency adjustment process, either short or long press the keys are adjusting upwardly the frequency value. When the upper limit is reached, the frequency will turn downwardly to the bottom limit; then carrying on the adjustment of frequency values. As press the downward key entering into the power adjustment process, the key to switch between high and low power rate. As there is the low power rate, LCD displays RF LO, whereas it reaches the highest power, it displays RF HI.



3. Downward adjust keys. When there is not on the frequency adjustment process, short press the key without any function, and LCD displays LCD ON. Press and hold 2 seconds into the power adjustment process, LCD displays the SET RF. Once it enters the power adjustment process, press the key to adjust between high and low power rate. When the power rate is low, LCD shows RF LO; whereas it is in high power rate, it shows RF HI. As press the upward adjustment process enters into the frequency adjustment process, either short or long press the key to enter the frequency adjustment process. When it reaches the bottom limit, it carries on the process of adjusting frequency value.



Note: if you press and hold the key to initiate the adjustment process, you must release the button once before any specific adjustment process.

