



## Wireless Audio (49MHz)

S-Power offers high quality FM wireless audio transmitter and receiver with audio amplifier and digital volume control in semi assembled PCBA form that enable very low cost wireless audio system design and implementation with RF implementation and test hassle.

Part No	Current Frequency	Max. Input range	Operating Current	Frequency Modulation	RF output Power	Operating Distance (750mm antenna)	Audio Frequency Response	S/N @1mV RF input with 1KHz modulated signal at $\pm 20$ KHz modulation and 1.4Vpp audio output @4ohm	Package
BG1W49Z4902 / BG1W49Z02TS (Stereo Option)	49.86MHz $\pm 5$ KHz	5 ~ 6V	40mA	$\pm 23$ KHz @ 1KHz 2Vpp	8 ~ 11dBm (9dBm typ.)	30 meters typ. 100 meter with CM1W49Z4902TE	60 ~ 3.0KHz (-3dB)	45dB Min.	46 x 51mm

Part No	Current Frequency	Max. Input range	Operating Current	Sensitivity	RF output Power	Operating Distance (750mm antenna)	Audio Frequency Response	S/N @1mV RF input with 1KHz modulated signal at $\pm 20$ KHz modulation and 1.4Vpp audio output @4ohm	Package
BG1W49Z4988	49.86MHz $\pm 5$ KHz	5 ~ 6V	40mA (No load) 650mA Min. @ 3W audio output	6uV	8 ~ 11dBm (9dBm typ.)	30 meters typ. 100 meter with CM1W49Z4902TE	60 ~ 3.0KHz (-3dB)	45dB Min.	61 x 59mm

Part No	Digital volume	Audio Output Power	Audio muting	Package
BG1W49Z4988 (Stereo Option)	16 steps	1.5 / 3W @4ohm BG1W49Z4988R-1/3	✓	61 x 59 mm

