

Manual: No. 8051-01 System

Transmitter



No. 8051-01 Digital Transmitter



No. 8015-01 7.5Vx150mA
Power adapter for 8051-01

No. 8051-01 TX Specification

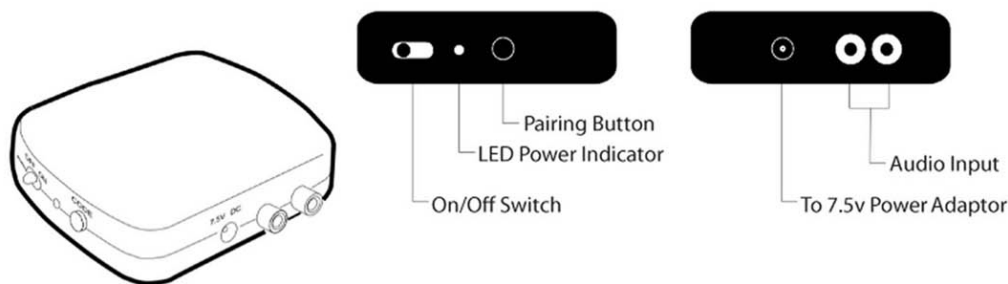
2.4GHz Digital Transmitter

	Description	8051-01 Transmitter
General	Supply voltage	7.5V DC150mA
	Supply current	100-150mA
	Operation temperature	0 ~ +60
RF	Frequency Band	2406 ~ 2472MHZ
	Technology	Frequency Hopping
	Modulation	GFSK
	RX Sensitivity	-78dBm
	Hopping Frequency	~670Hz
	Number of Channel	34
	Frequency Deviation	+/-400kHz
	RF Range	Up to 50m LOS outdoor /10-30m indoor
Audio	Input level	650mVrms
	Input impedance	7.5M Ohm
	Output/input gain	1:1
	Frequency response	10Hz ~ 20KHz(-3dB)
	Sampling Frequency	48 KHz, 16bit
	S/N ratio	>90dB
	THD	0.48% @ 1KHz
	Dynamic range	95dB
	Interchannel Isolation	>90dB

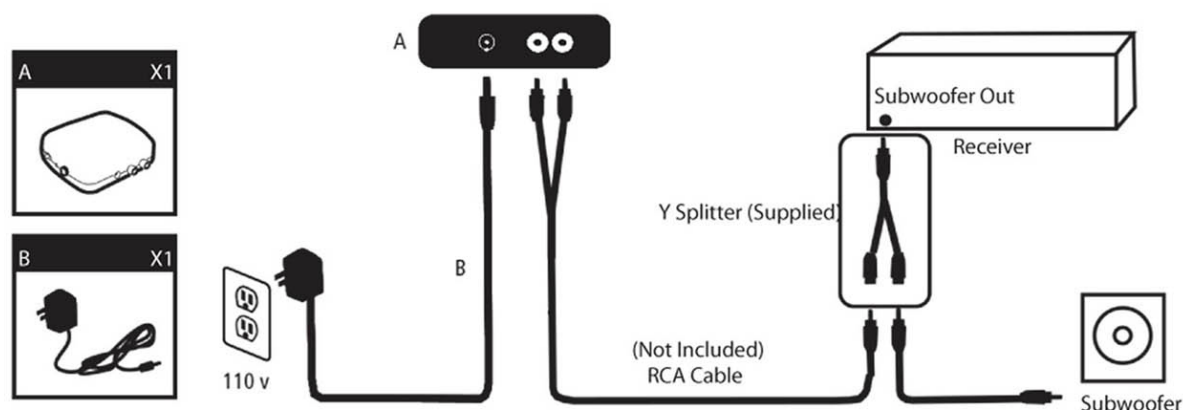


Connecting the Transmitter

1. Transmitter



2. Connection with Power Subwoofer



To connect the wireless transmitter:

1. First locate the small power supply (B) and transmitter (A).
2. Attach the power supply (B) to the transmitter (A) as shown above and plug it into the AC wall outlet.
3. Connect the inputs (the red and white jacks) to your audio-video receiver. At this point, systems will vary as different receivers will have different features and outputs. There are basically 2 options:

A) Without powered Subwoofer: Run RCA cables directly from the "SUB/LFE" output on your receiver to the "Audio In" jacks on the transmitter (A).

B) With powered Subwoofer: If there is a subwoofer already plugged into the "SUB/LFE" jack, you can use the supplied "Y" cable to feed both the sub and the transmitter. The outputs you select should have an output that goes up and down with the receiver's or audio device's volume control. Consult your receiver manufacturers owners manual for instructions.

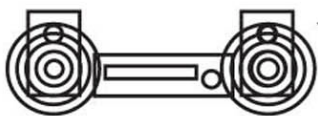
Note: The Splitter is required only if you have a Powered Subwoofer. If your system does not have a Powered Subwoofer then you can run the RCA cable directly from the SUB/LFE out to the transmitter (A), the splitter is not required.

NEVER CONNECT THE TRANSMITTER TO THE SPEAKER TERMINALS OF ANY AMPLIFIER.

How to "pair" the Transmitter/Receiver(s):

*Before using the Shaker system in wireless mode, the transmitter and receiver must be paired so that they "recognize" each other. This will only need to be done once, for each seat. Make sure your Shaker system is connected to your sound source properly before attempting to pair.

1.



- Make sure your audio system is on and is playing something normally. The transmitter must have an audio input signal for proper encoding.
- Ensure the transducer (shaker) is connected to the amplifier/receiver as previously described.

2.



A) Make sure transmitter is turned on.

B) Press and hold the Code button on

code LED will begin to blink quickly for around 15 seconds.

3.

Note that when there is no audio signal at the transmitter, the Code LED's on both the transmitter and amplifier/receiver will blink slowly.

1. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help