

# Manual: No. 8405-01 System

## Amplifier & Receiver



No. 8405-01  
Digital Amplifier/2.4GHz Receiver/Bluetooth Audio Receiver



No. 8016-01 / No. 8025-01  
12V x 5.0A    15Vx6.0A

Power adapter for 8405-01

## Bluetooth and 2.4GHz Specifications No. 8405-01

Bluetooth Audio Module Specification	Bluetooth	Version 2.0 + EDR
	Frequency Band	2.402—2.480GHz
	Receiver Sensitivity	Better than -82dBm
	Range	About 10 meters
	Data Rates	Up to 3Mbps(over the air)
	UART data transfer rate	115200bps
	Profiles	A2DP – sync only AVRCP—controller only

2.4G wireless Receiver Specification	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

### Initial setup/use of your Shaker system:

1. The Shaker system was designed to provide the low frequency content of your movies, music and games as a new dimension, allowing you to feel as well as hear. Once the transmitter and receiver are paired, operation is very simple.
2. Now, play some music or a movie with low frequency content.
3. Set your playback system (Home Theater Receiver) volume to a comfortable level.
4. Make sure that the transmitter and amplifier/receiver are turned on and paired.

5. First settings :  
Volume: Max      X-Over: 100 Hz
6. If you feel the need to adjust the intensity from the Shaker system, adjust the volume using the wheel on the small remote housing. Remember that the Shaker system will follow the volume of the audio-video receiver or the source it is connected to much like your subwoofer. Set the level so that the Shaker system will work properly at all volume levels you are likely to hear from your audio-video receiver.
7. The large knob on amplifier sets the crossover point of the system. It is adjustable from 50hz to 100Hz. This means that the Shaker system will produce vibrations from the set frequency down. Higher frequencies do not make it through the crossover and are ignored. Adjust to your liking.

## Using the Shaker system with your MP3 player, phone, tablet etc.

1. There is a tethered cable coming from the amplifier/receiver that has a small housing with "Phones" and "Input" labeled on it. This is where you can plug in just about any portable electronic sound producing device that you can convert to the 1/8" stereo mini plug on the small box. Your connected device should have it's own means of controlling it's volume. The photo below shows the connection of phone/ MP3 player. Any device with a headphone output on it can be similarly connected.
2. When you plug something into the "Input" jack, the 2.4 wireless ,or Bluetooth, receiver is internally disconnected from the amplifier to allow the use of the new device.
3. Since using the headphone outjack on most sources disables their internal speakers (if they had speakers), the "Phone" jack on the small amplifier/receiver connected box will allow you to listen to your source device using headphones .
4. Adjust the volume control on your device for a comfortable listening level through your headphones and, if necessary, adjust the large volume knob on the housing for the most pleasing intensity effect.



Remote control  
housing

# No. 8405-01 Remote Settings

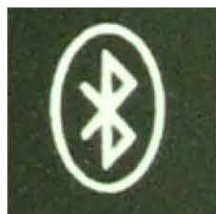


OFF setting: In this position, the whole No. 8405-01 audio system is powered OFF



## 2.4 GHz Wireless setting

In this position, the No. 8051-01 transmitter is connected to No. 8405-01 Receiver/RX. You can listen to music being received, if you wish, by connecting headphones to PHONES jack on remote housing.



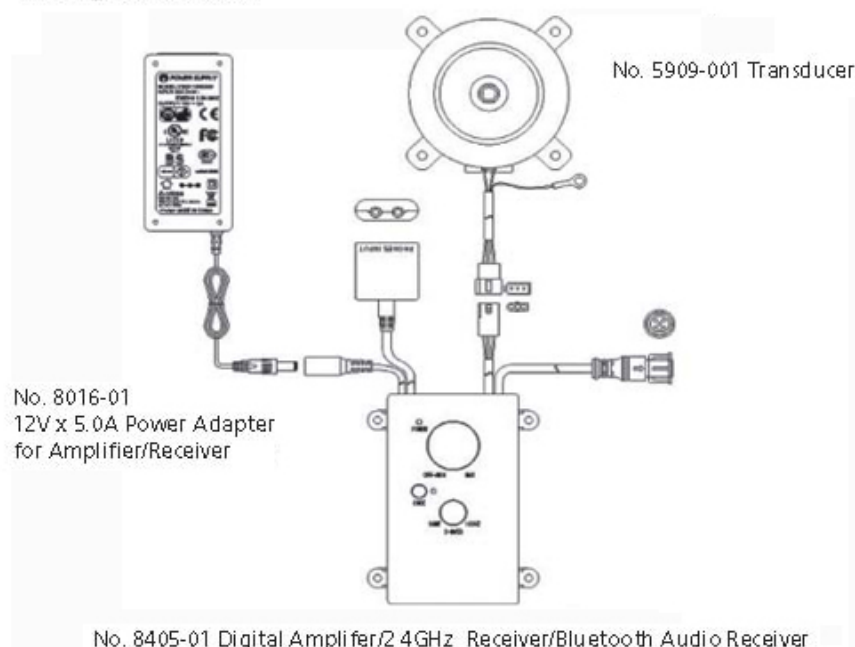
## Bluetooth setting

In this position, you can pair your Bluetooth enabled device by finding 8405-01 and pairing normally on your phone, tablet, laptop, etc

When paired, pls set ID code 0000 to connect. Now music from your device will connect to 8405-01 system. You can listen to the music by connecting headphones to PHONES jack.



## Wiring Schematic



### FCC STATEMENT

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