

# OPERATIONS MANUAL-SPY2250

## Professional ABS Molded Loudspeaker

### Introduction:

Congratulations on your purchase of the amplified loudspeaker; this speaker includes the very latest technology in lightweight ABS design. The trapezoidal design was used for a more precise and accurate sound and will add increased sound definition on vocal frequencies. This state of the art speaker will give you years of enjoyment.

### Features:

- Steel basket woofer
- High wattage powered amplifier
- Stand mounting socket
- Auxiliary Line Input
- Metal Grill
- High Temperature Voice coil
- Rubber Feet
- USB HOST/SD MMC MP3
- Remote Control
- BT Wireless Function
- FM Radio Function
- Folder Function



### Cautions:

1. All operating instructions should be read before using this equipment.
2. To reduce the risk of electric shock, do not open the unit. There are NO REPLACEABLE PARTS INSIDE. Please refer servicing to a qualified service technician.
3. Do not expose this unit to direct sunlight or to a heat source such as a radiator or stove.
4. This unit should be cleaned only with a damp cloth. Avoid solvents or other cleaning detergents.
5. When moving this equipment, it should be placed in its original carton and packaging. This will reduce the risk of damage during transit.
6. DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
7. DO NOT USE ANY SPRAY CLEANER OR LUBRICANT ON ANY CONTROLS OR SWITCHES.
8. Make sure ALL of your equipment is completely OFF and lower ALL VOLUME, LEVEL & GAIN controls before connecting the speaker.
9. ONLY LINE LEVEL SIGNALS CAN BE SENT TO YOUR SPEAKER.

**Disregarding any of the above will void your warranty!!!!**

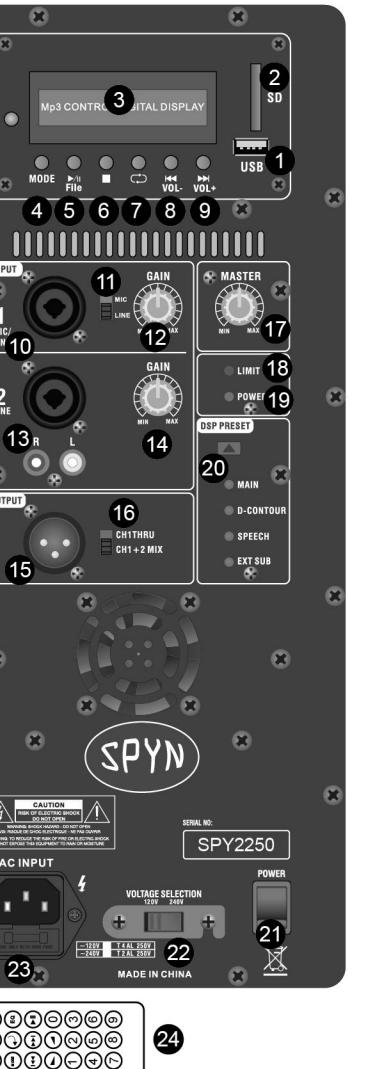
### Functions:

1. USB Port
2. SD MMC Port
3. LCD Display
4. Mode Button, to switch between USB/SD or BT Wireless function.
5. Start Playback or to Pause. Folder function: When paused in USB/SD mode, press button for two or three seconds to select a folder, then select the audio file.
6. Stop Button
7. To select the playback mode: RANDOM to play songs randomly, ALL to repeat all tracks, SINGLE to play song to song.
8. To return to the start of the previous track or to lower the Digital Audio Player's volume. In folder mode, to skip to the previous page.
9. To skip to the beginning of the next track or to raise the Digital Audio Player's volume. In folder mode, to skip to the next page.
10. MIC/LINE inputs for CH1: These balanced inputs accept a standard XLR and a 1/4" Jack phone plug. A board range of signals from microphones, audio mixing consoles and electronic musical instruments may be connected here. The sensitivity of these inputs are controlled by the MIC/LINE switch.
11. MIC/LINE Switch: Use the MIC position(slide up) when a microphone is connected. Use the LINE position(slide down) when a line level source such as an audio mixing console, audio playback device or electronic musical instrument is connected.
12. CH1 Gain: Controls the gains of CH1. By turning the signal counter-clockwise you will be lowering the gain of your source material. By turning the control clockwise you will be increasing the gain.
13. LINE inputs for CH2: These balanced inputs accept a standard XLR and RCA plug.
14. CH2 Gain: Controls the gains of CH2. By turning the signal counter-clockwise you will be lowering the gain of your source material. By turning the control clockwise you will be increasing the gain.
15. OUTPUT: This XLR output connector provides a method of sending audio out to an external source.
16. THOU/MIX Switch: Thou output(slide up) is for the CH1./Mix output(slide down) is for the CH1 and CH2.
17. Master: Controls the master volume of the unit. By turning the knob counter-clockwise you will be lowering the overall volume of the speaker. By turning the control clockwise you will be increasing the overall volume of the speaker.
18. LIMIT: The LED lights up when signal distortion occurs and in compression condition. Reduce the volume with LEVEL control until the LIMIT LED does not light up any more, or occasionally lights up at signal peaks.
19. Power indicator: To indicate that the speaker is plugged in and switched ON.
20. DSP Presets: Use this button to toggle through the four different settings.
  - MAIN: This is the default setting for the speaker. Use this setting when the speaker is being used either on a tripod or pole and facing towards your audience.
  - D-CONTOUR: A three-stage multi-band compressor. It can dynamically adjust the level of each frequency band in accordance with the input volume of sound. When the level is low, it can enhance the high and low frequencies. And the Level is high, it also can reduce the amount of high level. Therefore, it is able to provide the most appropriate and powerful sound sense of hearing in accordance with the audience. For example, when listening to dance music, it will be very effective if need to strengthen the rhythm.
  - SPEECH: Use this setting when the speaker is being used for Speech only or Spoken Word applications and facing towards the audience.
  - EXT SUB: Use this setting when the speaker is being used in conjunction with a separate subwoofer. This preset enables a High Pass Filter(HPF) set at 100Hz.
21. Power Supply Switch
22. Voltage Selector: Change AC power between 120V and 240V.
23. Power Supply Input Connector: Use with power cord.
24. Remote Control

Make sure ALL of your equipment is completely OFF and lower ALL VOLUME, LEVEL & GAIN controls before connecting the speaker.

**Connections:**

1. For this unit you can connect a mixer, microphone or CD player directly into your speaker. To connect a microphone use an XLR or 1/4" jack connector to connect to the MIC/LINE(10) input.
2. To connect a CD player, turntable or mixer use an XLR, RCA or 1/4" jack connector to connect to the LINE IN (11) input. If connecting a powered mixer use the mixers line level signals only.
3. You can LINK additional speakers using the THRU/MIX(15) connection. The amplifier on your speaker will only power this speaker. If you LINK to additional speakers those speakers must be self amplified.
4. Turn on your mixer/microphones or other signal source, then turn on your unit, the Power Indicator (19) will be lit. Now you can adjust your volume controls to a reasonable level.
5. BT Wireless Usage (4): It can be changed to BT Wireless mode. When you open the mobile telephone or computer, pls search the bluetooth device, which name is "BLUETOOTH". After searching with it, pls click the "connection" and enter into "0000" if required, then you can connect to this device.
- CAUTION: If the computer need to be connected the device, it is necessary to install the BT Wireless management software. If not, it only can connect and can not transmit the audio. Also, if fail to find the "BLUETOOTH", pls press the ■ button for two or three seconds, then you can find it.
6. FM RADIO Usage(4): First, it can be switched to FM mode when press the mode button. And press the ▶/i button, it will search the radio station automatically. Then, press the ▶/◀ & ▶/▶ button to select the radio station after searching. Finally, the MP3 will be turned off if press the mode button for two or three seconds.



## FCC Caution.

### § 15.19 Labelling requirements.

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.

### § 15.21 Information to user.

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

### § 15.105 Information to the user.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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.