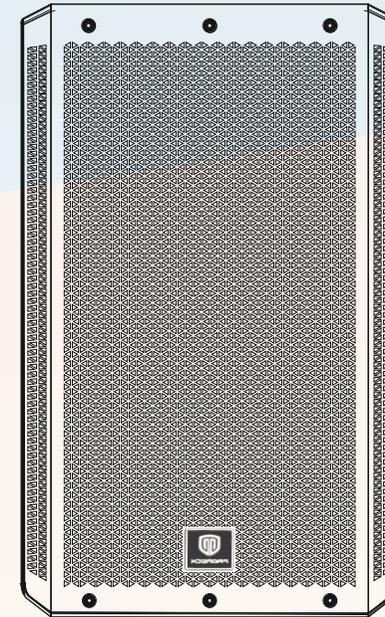


PRORECK



SP 15

Contact Us

Visit our website for PDF Manual or other Issues: www.proreck.com
Because your mailbox may not receive our mail, so please feel free to contact us if you have any questions via sales-1@proreck.com

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DSP control menu

EXIT	
MODE	MUSIC(Default),LIVE,SPEECH,DJ/CLUB
LOCATION	NORMAL(Default),MONITOR
HIGH	0 dB(Default),-12 dB to +12 dB
MID	0 dB(Default),-12 dB to +12 dB
LOW	0 dB(Default),-12 dB to +12 dB
SUB	OFF(Default),80Hz,100Hz,120Hz,150Hz
DELAY	OFF(Default),0MS to 6MS
LED MODE	OFF(Default),ON,LIMITER
LCD DIM	ON(Default),OFF
BRIGHT	5(Default),0 to 10
CONTRAST	5(Default),0 to 10
RESET	Confirm Reset: NO(Default),YES
INFO	
EXIT	

Introduction

Thank you for purchasing our SP15 pa system. Please read the manual carefully before use and keep it in safe place for future reference. For any questions, please email us at sales-1@proreck.com. Our SP15 powered pa system comes with a built-in digital signal processor. It has 1400 watt P.M.P.O and is suitable for churches, weddings, conferences, etc.

The amplifier has 3-channel inputs, as well as a digital signal processor with Bluetooth function.

Dimensions and Specifications

Power Output	1400 watts
Subwoofer Size	15-inch
Input Connections	Bluetooth RCA input Combo line input (XLR/TS) Mic input (XLR/TS)
Output Connections	Balanced XLR

Important Safety Instructions

- 1.Read the instructions carefully before use and keep the manual for further use.
- 2.Follow all instructions. Improper use may cause damage to the unit.
- 3.Do not expose the unit to rain or moisture.
- 4.Do not block any ventilation opening. Install in accordance with the manufacturer's instructions.
- 5.Do not install near any heat sources, such as radiators, heat sources, stoves, or other units that produce heat.
- 6.Clean only with a dry cloth.
- 7.Unplug the unit during lighting storms or when unused for long periods of time
- 8.Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in anyway, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, operate abnormally.
- 9.This unit shall not be exposed to dripping pr splashing.
- 10.Do not place objects filled with liquids, such as vases or beer glasses, on the unit.
- 11.Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

WARNING

RISK OF ELECTRIC SHOCK! DO NOT OPEN.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).

Getting Started

The following steps will help you set up the SP15 quickly.

- 1.Read instructions carefully and check all components are included in the package.
- 2.Turn down all volume knobs (two gain control knobs, DSP control knob).
- 3.Plug in and turn on the speaker.
- 4.Connect your devices.
- 5.Slowly adjust the volume knobs of the corresponding channel to a comfortable listening level.

Applications

BLUETOOTH INSTRUCTIONS



1. Plug in and turn on the power.
2. Turn the master volume(DSP CONTROL)(DSP overview ⑤) to the MIN level.
3. Press the BLUETOOTH SWITCH BUTTON(DSP overview ③). At this time, the indicator above the button will flash, please turn on the Bluetooth of your device to connect. Search and connect to a Bluetooth named “proeck”. When your device shows that it has been connected Successfully and the indicator stops flashing, it means that your device has been connected.
4. Turn the master volume(DSP CONTROL)(DSP overview ⑤) to a suitable level.

NOTE: Remember to turn up the volume of your device.

LINE IN INSTRUCTIONS



1. Plug in and turn on the power.
2. Turn the master volume(DSP CONTROL)(DSP overview ⑤) and GAIN CONTROL(5) to the MIN level.
3. Connect a music device through the RCA or Combo line input (XLR/TS) cable.
4. Turn the master volume(DSP CONTROL)(DSP overview ⑤) and GAIN CONTROL(5) to a suitable level.

MIC INSTRUCTIONS



1. Plug in and turn on the power.
2. Turn the master volume(DSP CONTROL)(DSP overview ⑤) and GAIN CONTROL(5) to the MIN level.
3. Connect the microphone to mic input with a 6.35mm or XLR cable.
4. Turn the master volume(DSP CONTROL)(DSP overview ⑤) and GAIN CONTROL(5) to a suitable level.

NOTE: When you use LINE Input on this channel, please press out the MIC/LINE SWITCH button. 

- ① **DIGITAL SIGNAL PROCESSOR**
Please refer to the next page for details of this digital signal processor.

- ⑥ **MIC/LINE INPUT**
Use this combo input(XLR/TS) to connect the MIC or other devices to the SP15.

- ② **AUX INPUT**
Use this RCA input to connect the SP15 powered system to a computer, mobile device, etc.

- ⑦ **XLR OUTPUT**
Use these XLR connectors to link SP15 system to the additional powered speakers or amplifier.

- ③ **AUX/LINE INPUT**
Use these XLR/TS combo jack to connect an audio interface or mixer to SP15.

- ⑧ **MAIN POWER SWITCH**
This switch controls the AC power going to the SP15 system. We suggest keeping the switch in the OFF position when the system is not being used for an extended period of time.

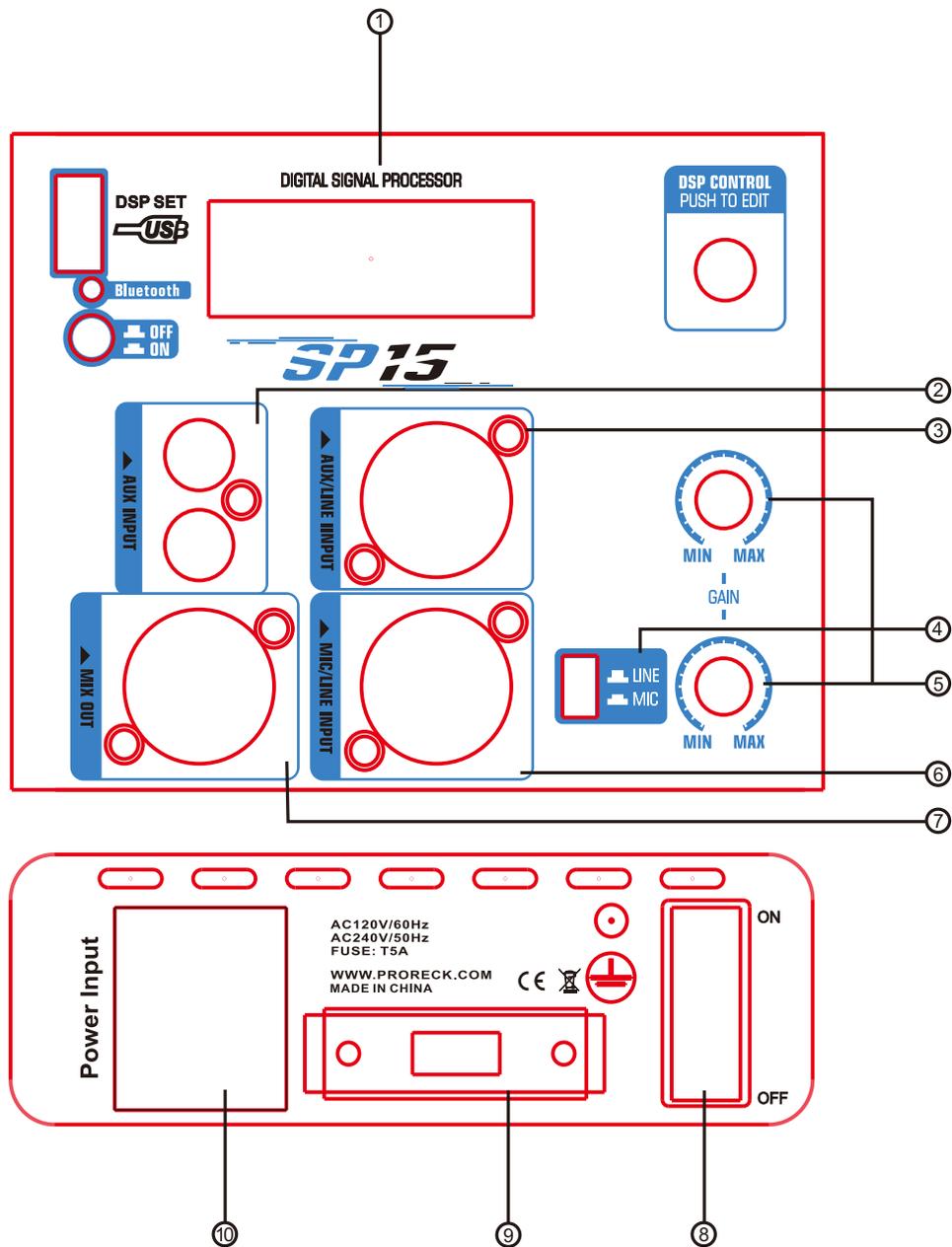
- ④ **MIC/LINE SWITCH**
Use the button to select the input signal type(LINE/MIC). Press it in for MIC function, press it out for LINE input.

- ⑨ **120/240V AC SELECTOR**
The SP15 system can operate in a 120V or 240V environment. Before connecting the SP15 system to a power source, simply slide the selector switch to the required voltage.

- ⑤ **GAIN CONTROL KNOBS**
The rotating gain control knobs allow you to set the gain for the input signals. Make sure they are set correctly to avoid distortions or dangerous signal peaks that could damage the speaker. We suggest not to exceed the level indicated as CLIP.

- ⑩ **AC POWER WITH BUILT-IN FUSE**
This AC line connector is fused to protect the amplifier from unwanted power surges. Be sure to use the proper fuse rating (T5A) when replacing the existing fuse.

Amplifier Overview

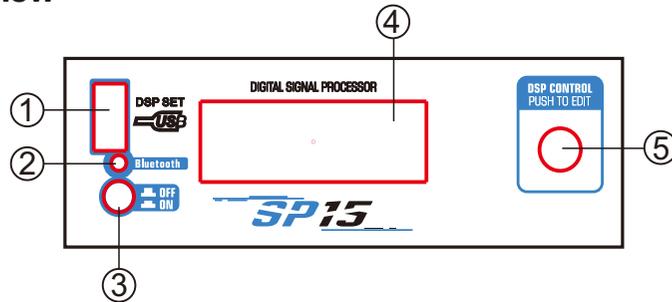


OUTPUT INSTRUCTIONS



1. Plug in and turn on the power.
2. Turn the master volume(DSP CONTROL)(DSP overview ⑤) to the MIN level.
3. Connect additional powered speakers or amplifier through the XLR cable.
4. Turn master volume(DSP CONTROL)(DSP overview ⑤) to a suitable level.

DSP Overview



1.DSP SET USB PORT

Use it to connect to computer to set DSP parameters, such as threshold, ratio, attack and release to get better sound quality. This shall only be operated by professional personels. Improper operation may cause damage to the unit. Please contct email sales-1@proreck.com to get the software and instruction.

Note: This port can not be used to connect to USB drive.

2.BLUETOOTH INDICATOR

When Bluetooth is disconnected, the light flashes. When connected to Bluetooth, the light will stop flashing and stay on.

3.BLUETOOTH SWITCH BUTTON

Press this button in when connecting to Bluetooth.

4.LCD SCREEN

Graphical LCD screen showing all parameters and settings of the internal DSP.

5.DSP CONTROL/MASTER VOLUME

DSP CONTROL: This is a rotatable knob with push function to enter menus and conform settings.

MASTER VOLUME: The default setting is +00 position. Rotate the knob to change the master volume.

HOME SCREEN

LEVEL	0dB
IN1	CLIP
IN2	CLIP

1.LEVEL: Indicates the master gain of the system in dB. The range is from -60 dB to +60 dB.

2. IN1: It shows the signal level of INPUT 1 and Bluetooth.

3. IN2: It shows the signal level of INPUT 2. IN1 and IN2 are independent of each other.

Operating Instructions of DSP Controls

To access the DSP controls menu, do the following:

1. Push the DSP CONTROL knob. The DSP Control menu appears.
2. Using the DSP CONTROL knob, scroll through the menu items.
3. Push the DSP CONTROL knob to select the menu item you want to modify. The focus moves to the parameters on the right side of the DSP menu.
4. Using the DSP CONTROL knob, scroll through the parameters.
5. Push the DSP CONTROL knob to confirm the selected parameter. The setting is saved. The focus returns to the menu items on the left side of the DSP menu.
6. Repeat steps 2 through 5 to modify additional DSP and system settings.
7. Select EXIT to return to the home screen.

DSP FUNCTIONS

Press the DSP CONTROL button(5) to enter the DSP menu.

MODE: It has MUSIC, DJ/CLUB, LIVE, SPEECH modes.

MUSIC: It is used for recorded music playback and electronic dance music applications (Default).

DJ/CLUB: It is used for recorded electronic music playback.

LIVE: It is used for live sound applications.

SPEECH: It is used for spoken word applications.

LOCATION: NORMAL, MONITOR

NORMAL: It is used when the loudspeaker is placed on a tripod stand or on a pole (Default).

MONITOR: It is used when the loudspeaker is placed on an angled monitor panel in monitor position. This setting compensates for the amount of low frequency boost created by placing the speaker close to the floor.

EXIT
MODE: MUSIC
LOCATION: NORMAL

Press and turn the DSP controller to set the three EQ bands:

HIGH: It allows to set the incidence of treble tones (+/- 12dB).

MID: It allows to set the incidence of mid tones (+/- 12dB).

LOW: It allows to set the incidence of bass tones (+/- 12dB).

HIGH EQ: 0dB
MID EQ: 0dB
LOW EQ: 0dB

SUB: It is used to select a high pass frequency. Available options for this selection are OFF, 80Hz, 100Hz, 120Hz, 150Hz.

DELAY: It allows to set an echo effect with delay up to 16MS.

LED MODE:

The LED menu shows power on and indicates limit. Available options for this selection are: OFF, ON or LIMITER.

OFF - turns the LED off. (Default)

ON - turns the LED on when the power to the loudspeaker is ON.

LIMITER - turns the LED off under normal operation. The LED brief blinking indicates the limiter is activating. Constant lighting of the LED indicates the sound is negatively affected.

SUB: OFF
DELAY: OFF
LED MODE: OFF

LCD DIM: It is used to dim the display when the display is idle for two minutes. Available options for this selection are ON or OFF. The default is ON.

BRIGHT: It allows to adjust the display's brightness(0-10).The bigger the number, the brighter the screen.

CONTRAST: It allows to adjust the display's contrast(0-10).The bigger the number, the smaller the screen contrast.

LCD DIM:ON
BRIGHT: 5
CONTRAST: 5

RESET: It is used to reset all parameters.

INFO: It shows the version of the software installed on the speaker.

EXIT: It is used to exit the setting mode.In any case, the exit takes place automatically after a few seconds of inactivity.

RESET
INFO
EXIT

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

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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.