

Procella Audio User Guide P15A

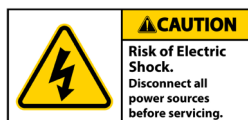


Welcome to the world of perfected sound!
Thank you for choosing a Procella Audio loudspeaker system.

For optimal performance, we advise having your Procella loudspeakers installed and fine-tuned by a certified Procella Audio technician. For expert guidance on positioning your speakers perfectly within your space, please reach out to your authorized dealer or directly to Procella Audio. Let's ensure your audio experience is nothing short of extraordinary.

Package contents:

- Procella Audio P15A active subwoofer
- Powercord
- This User Guide



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER- SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS TO COMPLETELY DISCONNECT THIS APPARATUS FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE

INSTALLATION PROCEDURE

1. Confirm that the Voltage setting is correct for your country and that the included power cord is suitable.
2. Make sure that the ventilation openings on top of the amplifier module are free and that the position of the P15A enclosure allows air to circulate around the amplifier module.
3. A single Procella P15A subwoofer should be positioned on the floor, against the front wall between the Center and either the Left or Right screen speaker if no other instructions have been provided. We do not typically recommend locating a single subwoofer on the centerline of the room. For placement of multiple subwoofers, contact your Procella dealer or the Procella factory.
4. The Procella P15A amplifier is a High-Power, Switched-mode Class-D amplifier. Like any digital amplifier, proper mains, grounding and signal interconnections are essential for correct operation, to avoid hum and buzz and to achieve the best possible signal to noise ratio.
5. The unbalanced output connector of the Procella P15A should only be used for linking to additional Procella P15A subwoofers.
6. The "Signal" LED is green when an input signal is detected. When the LED switches to Red, the input signal is too high and the amplifier is clipping.

TIPS

- The power line should be free from disturbances caused by other electrical appliances such as motors, heaters and ovens, elevators, refrigerators or similar.
- To minimize ground-loops, connect the Procella P15A to the same power outlet as the pre-amplifier or processor and run the signal cable in parallel with mains cable.
- For the best possible performance, it is strongly recommended that the P15A amplifier be connected with a professional XLR-type, shielded 2-wire cable to a balanced output of the pre-amplifier. Pin1=Ground, Pin2=Normal polarity ("hot") and Pin3=Inverted polarity ("cold").
- The Procella P15A has a unbalanced Phono input to be used with a preamp or processor that only has an unbalanced output. We strongly recommend that a shielded 2-wire cable with XLR connectors be used, with an adapter at the pre-amplifier end. This will produce the lowest noise level and best sound quality.

Procella Audio BV Registered office and Factory address:
Rivaweg 1.02 | B-8720 Dentergem | Belgium

www.procella.audio
contact@procella.audio
+32 56 13 62 08

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Do not run the P15A subwoofer at clip level for extended periods !

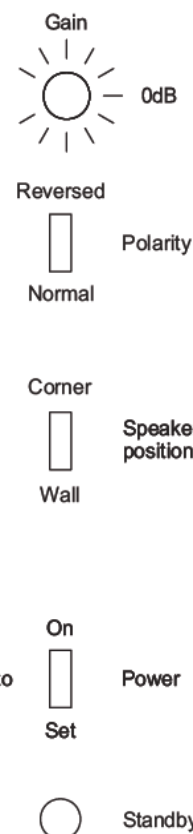
GAIN CONTROL PROCEDURE

1. The "Gain" control should be used to set the level. When setting subwoofer levels through a preamp or processor, the Gain control should be adjusted so that the SUB output from the processor matches the LCR loudspeakers output.
2. The "Polarity" switch can be used to match the polarity of the Procella P15A to the L-C-R speakers at the listening position. This is important because of variables in the system such as the pre-amplifier, crossover order and room position of both the main speakers and the subwoofer.
3. The Procella P15A amplifier has two user-selectable presets for room positioning of the subwoofer:

WALL CORNER

Positioned on the floor and against a wall.
Positioned on the floor, against a wall and close to a corner.

4. Without test equipment, the correct position can be determined by a listener seated at the main listening position. With a partner at the subwoofer, play music with prominent mid-bass content through the system. While listening to the playback, the listener should instruct the partner when to change the Polarity switch, carefully listening for changes in the mid-bass level. The switch setting that produces the greatest bass output is the correct setting.
5. To calibrate the Auto Power On circuit:
 - Connect the subwoofer cable to the Pre-amp or processor.
 - Set the power switch on the Pre-amp or processor to ON (or out of Standby), with no source playing.
 - On the subwoofer, move the switch to Set. The Standby LED will start blinking rapidly.
 - When the LED blinking rate slows down, move the switch to Auto.
6. You can confirm that you have the correct setting by playing any disc and verifying that the Standby LED switches to Green when the material starts playing. If the LED turns green without any source playing, check your installation and cable routing for AC mains or signal interference.



NOTE

The Procella P15A is designed for use with a 4th order Linkwitz-Riley, low pass crossover at 80-125Hz. The proper frequency depends on the main speakers used and the desired playback levels. If available, the 'THX'™ setting in the processor will give the correct characteristics at a frequency of 80Hz.

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