

USER'S AND INSTALLATION MANUAL

Thank you for choosing this PROEL product. Our products are synonymous of accuracy, excellent quality and professional competence.

Safety and Operating Precautions:

- Before installing the unit, carefully read these instructions and keep them for future reference.
- Protect this unit from atmospheric agents and do not use it near water or in places with high humidity levels.
- This unit must be situated away from heat sources such as radiators, spot lights, and so on.
- To clean inner and outer parts do not use solvents, alcohol, petrol, or other volatile substances, to remove dust use carefully a brush in good state or a feather duster.
- Loudspeaker lines (amplifier outputs) can have a sufficiently high voltage (i.e. 100 V) to involve a risk of electrocution: never install or connect this loudspeaker when the line is alive.
- Make sure all connections have been made correctly and the loudspeaker input voltage (in a constant voltage system) or its impedance is suitable for the amplifier output.
- Protect loudspeaker lines from damage; make sure they are positioned in a way that they cannot be stepped on or crushed by objects, furniture, construction materials.
- Check the suitability of the support surface to which the product is anchored (wall, ceiling, structure, etc.), and the components used for attachment (screw anchors, screws, brackets not supplied by PROEL etc.), which must guarantee the security of the system / installation over time, also considering, for example, the mechanical vibrations normally generated by transducers.
- Should the loudspeaker emit any strange odours or smoke, remove it from the line after having switched the amplifier off. Contact the installer, the nearest authorized maintenance centre or a PROEL authorized service centre.
- PROEL strongly recommends this product is only installed by professional qualified installers (or specialised firms) who can ensure a correct installation and certify it according to the regulations in force. The entire audio system must comply with the current standards and regulations regarding electrical systems.
- To ensure a correct musical reproduction, loudspeaker phase is to be respected (loudspeakers are connected respecting the amplifier polarity). This is important when loudspeakers are installed adjacent one another, for instance, in the same room.
- To prevent inductive effects from causing hum, noise and a bad system working, loudspeaker lines should not be laid together with other electric cables (mains), microphone or line level signal cables connected to amplifier inputs.

Conformity:

This equipment conforms to the requirements of the European community relevant to Electromagnetic Compatibility and relevant to Domestic Electrical Equipment:
EMC Directive 89/336/EEC, amended by 92/31/EEC
Low Voltage Directive 73/23/EEC, amended by 93/68/EEC.
Standards: EN55103-1 Emission, EN55103-2 Immunity, Electrical Safety EN 60065.

Description:

2-Way loudspeaker (5" woofer, 1" tweeter) for contractor installation, featuring a built-in 100V transformer, removable dustproof grille. Designed for Public Address applications such as announcement and background music broadcasting.

Technical Specifications:

Model	X50IWT
Speaker	5" woofer - 1" tweeter
Nominal Power	8 W / 15 W
Impedance	1200 ohm / 650 ohm
Line Input Voltage*	100 V
Frequency Response	85 Hz - 20 KHz
S.P.L. 1 W / 1 m	90 dB
Dimensions	242 mm x 166 mm - h = 80 mm
Weight	1.5 Kg

*note: the speaker can work with 70 V lines also, but in this case the nominal power are reduced at 4 W / 7.5 W respectively.

Installation Instructions:

Before installing the speaker, make sure that the place chosen for installation has all the necessary requirements: dimensions and depth, load weight capacity, away from heat and humidity sources, correct aiming for the sound diffusion area. Then:

1. If you install the speaker in a gypsum plaster wall make a rectangular hole of 143 mm (5.63") x 216 mm (8.5").
2. If you install the speaker in a masonry wall install before the optional box INWALL05P.
3. Remove the front fit-in grille using a simple punch.
4. If you use the INWALL05P box you have to remove the 4 wing clamps and their screws, instead of them you will use the self tapping screws supplied with the box.
5. Connect the 100V constant voltage speaker line to the speaker screw terminals, choose the nominal power referring to the following table:

Terminal colour	Nominal Power
Black	Common (- line)
Yellow	8 W
Brown	15 W

6. Insert the speaker in the wall hole.
7. Screw the wing clamps screws or self tapping screws, since the speaker is tightly fixed.
8. Put back the front fit-in grille.



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

