




pearl PA302MBT system Amplifier Instruction Manual

[Home](#) » [pearl](#) » pearl PA302MBT system Amplifier Instruction Manual 

Contents

- 1 [pearl PA302MBT system Amplifier Instruction Manual](#)
- 2 [Thank you for choosing Pearl brand](#)
- 3 [Cautions and warnings](#)
- 4 [Shipments and complaints](#)
- 5 [Impedance speaker connection](#)
- 6 [Constant voltage speaker connection](#)
- 7 [Front](#)
- 8 [Back](#)
- 9 [Remote Control](#)
- 10 [BLUETOOTH](#)
- 11 [FM RADIO](#)
- 12 [Read More About This Manual & Download PDF:](#)
- 13 [Documents / Resources](#)
- 14 [Related Posts](#)

pearller PA302MBT system Amplifier Instruction Manual



Thank you for choosing Pearller brand

The Pearller product you have purchased is the result of careful planning by specialized engineers. High quality materials were used for its construction, to ensure its functioning over time. The product is manufactured in compliance with the strict regulations imposed by the European Union, a guarantee of reliability and safety. We suggest to read this manual carefully before starting using the device in order to take advantage of its full potential.

Hoping that you will be satisfied of your purchase, we thank you again for your trust in our brand and we invite you to read our website www.pearller.com where you will find the whole range of Pearller products, along with useful information and updates.

This amplifier has been designed for "P.A. system" purposes. It is used for example in offices, schools, churches, shops, shopping centers, restaurants, convention centers, auditoriums, etc. Its advanced protection systems prevent damages caused by short circuits, overheating and overloads and make it safe and reliable.

It comes with 2 microphone inputs, 1 line input, 1 phone input and speaker terminals both for 4/8 Ohm and 70/100V operation.

It is provided with Mp3 module for music track playback, tuner and bluetooth receiver to connect smartphones or tablets.

The current manual is referred to 2 models, differing only for their power.

Cautions and warnings

- Read carefully the instructions given in this manual and follow them strictly.
- Keep this manual for future reference and include it if you give the product to another user.
- This device works with dangerous 230V mains power. Do not open, do not disassemble and don't try to operate inside. In case of wrong use an electric shock may occur.
- Contact a specialized technician for the installation.
- Always make sure to connect the device to a power outlet with the correct voltage.
- Avoid using the unit: in places with temperatures above 35°C, or in places exposed to rain, humidity, impacts and vibrations.
- Do not allow flammable liquid, water or objects to enter the product.
- Install the product in a ventilated position, far from heat sources and don't obstruct the air vents.
- In the event of a serious operating problem, stop using the product immediately. Never try to repair it by yourself, but contact the authorized technical service center. Repairs carried out by unskilled persons could lead to serious damages both to the fixture and to people.
- Disconnect the unit from power when it is not used.
- Wait for the product to cool before cleaning or maintenance.
- If the product doesn't turn on, check the fuse and if necessary replace it with one of the same type and rating,

after disconnecting the fixture from power.

- Do not turn the product on and off at short intervals, it may reduce the life of the device.
- Never disconnect the product from the power source by pulling on the cord.
- Periodically check the condition of the power cord.

Shipments and complaints

When purchasing or receiving the product, open the box and carefully check the content to make sure that all parts are present and in good condition. Immediately notify the seller of any transport damage suffered by the device. If you send the product for repair, it must be shipped with complete original packaging: we therefore recommend to keep it along with invoice or the purchase receipt.



Before making any connection, be sure that the unit is unplugged from the power outlet.

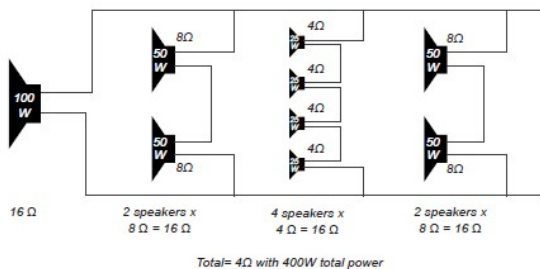
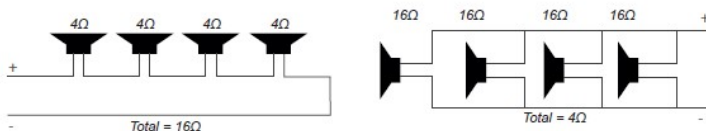


All connections must be made with the appliance turned off.

Impedance speaker connection

This type of connection does not allow to limit individually the power of each single speaker, but it gives the possibility to obtain higher performances. The main rule to be respected is that the total impedance of the speakers must be compatible with the impedances supported by the amplifier where the speakers will be connected (4-8 Ω). If you use more than one speaker, the value of impedance will be added up (in case of series wiring) or divided (in case of parallel wiring).

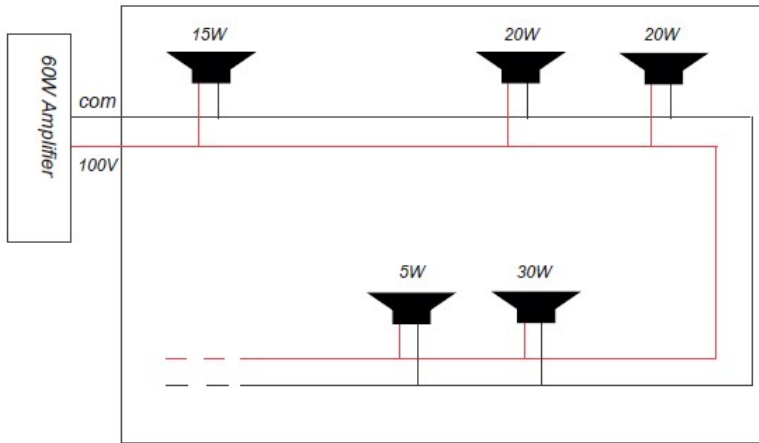
If you connect only one speaker you have to consider the impedance of the speaker itself. Mixed connections are also possible. Below are two examples:



Constant voltage speaker connection

It is the type of monophonic system realized in shops, conference rooms, churches and in any place where a uniform sound reinforcement is necessary, with maximum ease of installation and use. Only 2 wires are used, starting from the amplifier and getting up to the last speaker. On the amplifier you have to connect a wire to the "com" (common) terminal and the other wire to the 100V terminal.

The two wires will go all around the installation, and they will be connected to the speakers or rather the transformers each speaker is equipped with.



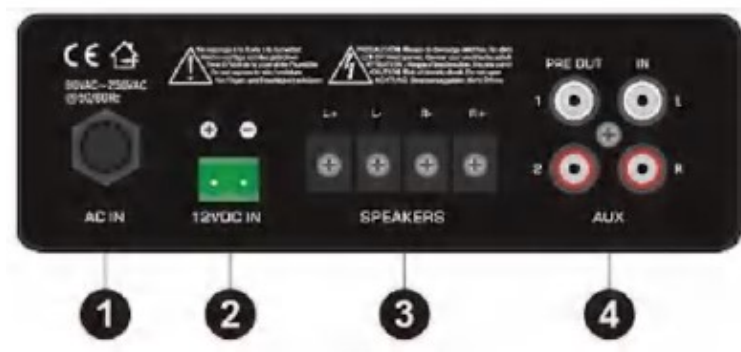
EXAMPLE: You connect to the system 5 speakers for a total of 90W. The amplifier handles up to 110W: so in the future you will be able to connect other speakers, up to reach the amplifier's maximum power.

Front



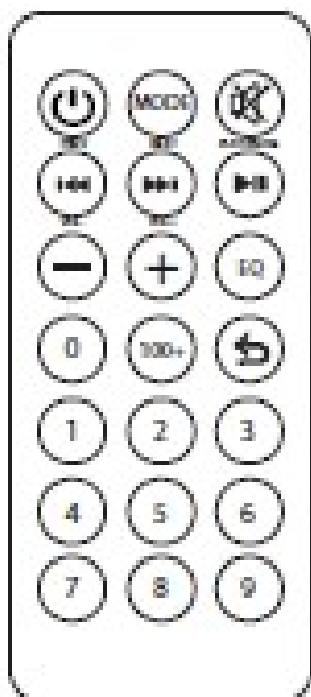
1. LCD SCREEN
2. USB PORT, TF CARD SOCKET
3. USB PLAY CONTROL KEYS
4. DYNAMIC MICROPHONE INPUTS
5. MICROPHONE VOLUME CONTROLS
6. AUX VOLUME CONTROL
7. MASTER VOLUME CONTROL
8. ON/OFF

Back



1. AC POWER INPUT
2. 12VDC POWER INPUT
3. STEREO SPEAKER OUTPUT
4. AUX 1,2 RCA INPUT AND OUTPUT

Remote Control



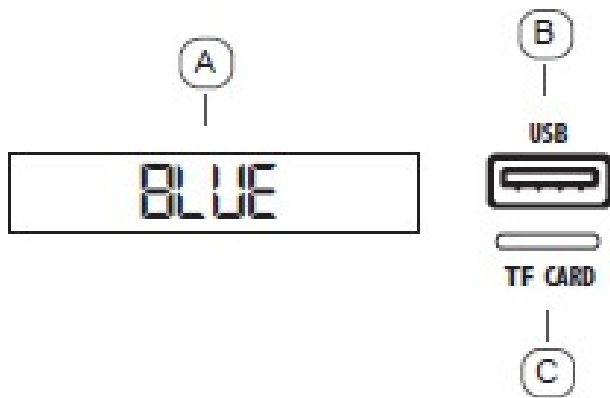
It allows to set and adjust from remote the main functions of the multimedia module.
Before use make sure that the battery is charged

BLUETOOTH

This amplifier includes the bluetooth function to receive audio from smartphones and tablets without using connection cables. To activate the function press the “mode” button (1) on the multimedia module : the word “BLUE” will appear on the display. Enter the bluetooth setup menu of your phone and scan for the amplifier to pair it. From this moment on, all the audio from your phone will be sent to the amplifier.

FM RADIO

Using the mode button select the Radio function. Through the other keys you can search for the desired radio station. Make sure you have connected the antenna to the FM socket (22).



- A) Display
- B) UCB Port.
- C) TF Card Socket



This symbol alerts you of the presence of important operating and maintenance instructions, in the manual or in the documentation accompanying the product.



This symbol alerts you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



To prevent possible hearing damage, do not listen at high volume levels for long periods.



The CE mark indicates that this product complies with the applicable European directives and their related standards.

Compliance documentation in complete form is available at the company Karma Italiana Srl



Directive 2012/19/UE regarding electric and electronic equipment waste (WEEE). The symbol of the crossed-out dustbin indicates that the product at the end of its life must be collected separately from other waste. The user must, therefore, confer the fixture complete with all the essential components to an authorized disposal center for collection of electronic and electrical waste, or return it to the dealer when buying new equipment of equivalent type, at a rate of one to one, or one to zero if external dimension is less than 25cm. Appropriate separate collection to send the decommissioned equipment to recycling, treatment and environmentally compatible disposal helps to prevent negative impact on the environment and human health and promotes recycling of the materials making up the product. In Italy illegal dumping of the product by the user entails the application of administrative sanctions pursuant to Legislative Decree n. 49 (14/03/2014).




The product's remote control contains a battery which, according to the European Directive 2013/56/EU,

cannot be disposed of with normal household waste. Please inquire about the local regulations regarding the separate collection of batteries: a correct disposal allows to avoid negative consequences for the environment and health.

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Documents / Resources

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