



iCOM 2x20

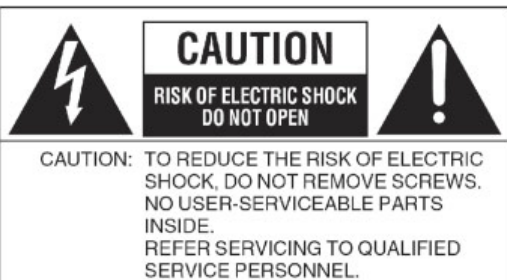
communication amplifier



User Manual

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.



Important

Do not install this equipment in a confined space such as a book case or similar unit.

The apparatus should not be dripped or splashed and no objects filled with liquids, such as vases, should not be placed on the apparatus.

This unit should not be used near water (e.g. near bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.) Care should be taken so that objects do not fall and liquids are not spilled into enclosure through openings.

Thank you for purchasing the iCOM 2x20 communication amplifier. This unit is designed for powering speakers in small environments.

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System components

All system includes:

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|----------------------|------|
| • iCOM 2x20 | 1pc. |
| • Power supply | 1pc. |
| • Instruction manual | 1pc. |

Introduction

Please follow the instructions in this manual to obtain the optimum results from this unit. We also recommend that you keep this manual handy for future reference.

Important

The minimum speaker's impedance for the stereo mode (2 channel operation) is 4Ω on each channel.

The minimum speaker's impedance for the bridge mode is 8Ω .

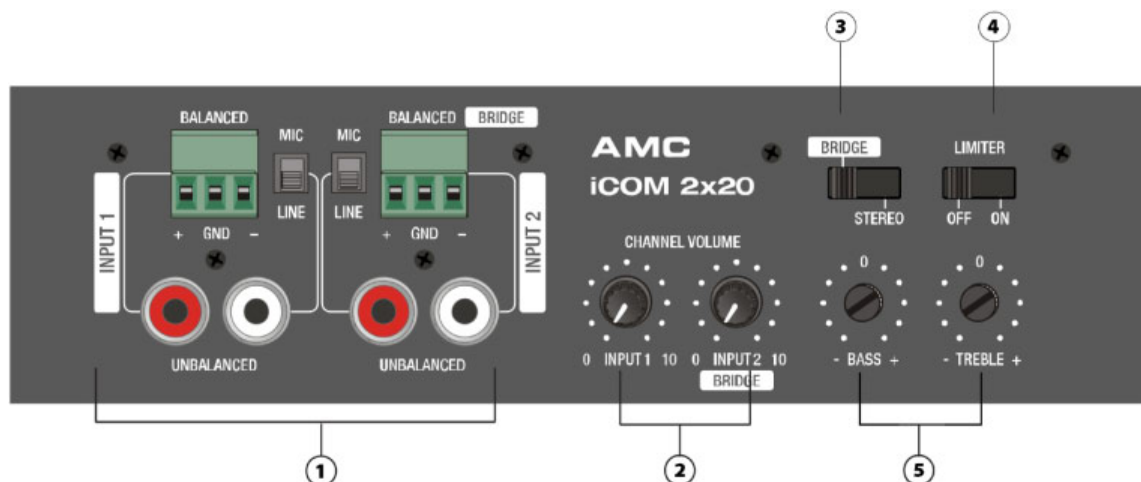
If you connect and use the unit with lower speaker's impedance, you will damage the unit and possibly other equipment that is connected to the device.

Do not ground the speaker output terminals!

Features

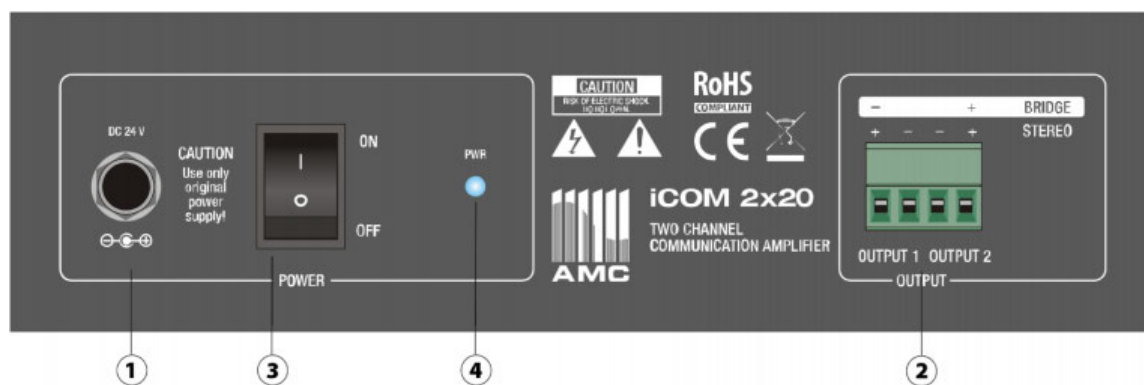
- Class D high efficiency amplifier.
- Stereo and bridge mode.
- 2MIC/Line switchable inputs: 2 unbalanced RCA and 2 balanced Phoenix.
- Volume and tone controls.
- Phoenix connector for output.
- Built-in limiter with on /off switch.
- Included 24V DC power supply.
- Smart compact size for table or wall mount.

Front Panel



1. Line level RCA and Line/Mic balanced Phoenix inputs.
2. Volume control.
3. Bridge/Stereo switch. Then bridge is selected audio signal must be connected into input 2
4. Limiter on/off switch.
5. Tone control.

Rear Panel



1. Connector for power supply. DC 24V .
2. Outputs.
3. Power switch.
4. Power indicator.

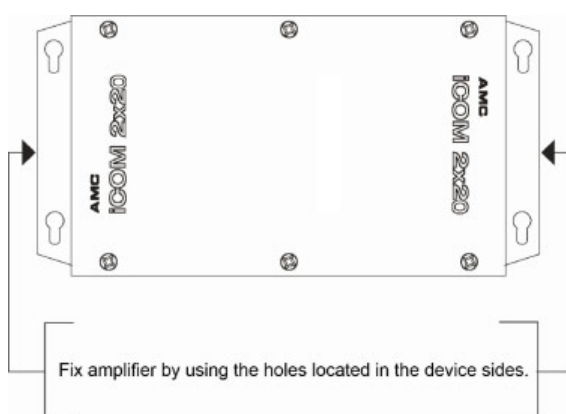
Operation

- Before the start, please ensure that amplifier power is off.
- Connect sources such as CD player, DVD player or microphone into amplifier's inputs.
- Select bridge or stereo function by bridge/stereo switch.
- Connect the outputs from the unit to your speaker. The stereo and bridge outputs are labeled on the panel.
- We recommend enabling Limiter.
- Set the volumes controls into the "0" position and turn on the power.
- Now you can adjust needful volume and tone levels.

Limiter

The limiter is a function that prevents very loud signals from passing through it by limiting the signal volume temporarily to a normal level. Limiter prevents damage to the speakers or the unit itself. The limiter's primary function is to help prevent one time very loud signals such as a dropping of a microphone or short loud parts of the music signals. Turning the limiter on may help protect from sort overload, but it is not intended for total dynamics control.

Installation



Troubleshooting

No power	Check power adaptor and power cable. If power supply is good and LED of the supply is lighting check the amplifier. If not, please change power supply.
No sound	Check speaker's line maybe line is overload and simultaneously check maybe speakers is in short circuit.
Very high noise level	Check the connections of the devices, and check signal level maybe level of the input signal is too big. Make sure that amplifier is not overloading.

General specifications

1. Power supply	DC 24V
2. Rated power	20W each channel
3. Line inputs gain	0 dB 10k Ω
4. MIC input gain	-23 dB 600 Ω
5. Frequency response	50Hz – 18kHz
6. THD	less 1% at 1kHz 1/3 rated power
7. S/N ratio	85dB
8. Dimensions	230x115x56
9. Weight	0,9 kg

