# PRONOMIC C-Series Active 2 Way Boxes 10 Inch Speaker Instruction Manual

**PRONOMIC**

**Pronomic C-Series, passive**
**Art. No. 00090914, 00090915, 00090917, 00090918**

**Operating instructions**
**Version 11/2022**

## Contents

## C-Series Active 2 Way Boxes 10 Inch Speaker

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Thank you for choosing this product.
To ensure that you are completely satisfied with this product, please read carefully and understand this instruction manual before using our product. Keep these operating instructions in a safe place. The operating instructions must be passed on to all subsequent users.

Observe the operating instructions!

**WARNING** The signal word WARNING indicates hazards that can lead to serious injuries if no precautionary measures are taken.

**HINWEIS** The signal word NOTE indicates general precautions that should be observed when handling the product.

**HINWEIS** Images and screen representations in this manual may differ slightly from the appearance of the actual product, as long as this does not negatively affect the technical characteristics and safety of the product.

**HINWEIS** All person-related formulations in these operating instructions are to be regarded as gender-neutral.

These operating instructions apply to persons who have been supervised or instructed in the operation of the device by a person responsible for their safety and who have proven that they can handle the device.

**WARNING** Children should be supervised to ensure that they do not play with the appliance. Do not leave children unattended.

All information in these operating instructions has been checked to the best of our knowledge and belief. However, neither the author nor the publisher can be held liable for any damages in connection with the use of these operating instructions.
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## Intended use

**WARNING**

- Only use the product in accordance with the instructions given here. In the event of damage caused by failure to observe these instructions for use, the warranty will be invalidated! Musikhaus Kirstein GmbH accepts no

liability for any resulting damage.

- Unauthorized conversions or modifications to the product are not permitted for safety reasons and will also void the warranty.
- Loudspeaker systems can tip over in an emergency and cause injuries and property damage. Therefore, keep the immediate area around the speaker system clear and make sure that no persons are in this area.
- Make sure that the installation complies with the standards and regulations in force in your country.
- This product is intended for indoor use only.
- Check the article for possible damage before putting it into operation.
- You can use a slightly damp cloth for cleaning.
- The installation is only permitted on a stable and solid base. An appropriate substructure may have to be provided.
- Do not operate the speaker with overload to avoid damage to the speakers.
- Do not place any open light sources (candles, etc.) on or near the product.
- Operate this product only from a grounded AC outlet.
- Do not allow liquids or moisture to enter the housing.
- Disconnect the device from the mains when not in use.
- Have the fuse checked or replaced by trained personnel only. Disconnect the device from the mains beforehand.
- Unplug this apparatus during lightning storms.
- The device does not contain any user-serviceable parts. Always consult properly trained personnel for this purpose.
- Route the power cord so that people cannot fall over it.
- Turn the volume control to the lowest setting before turning on the power.
- The device contains live parts. Therefore, do not open the housing.
- Do not place any metal objects on the device.
- Do not install near any heat sources such as radiators.
- Do not cover the ventilation openings.
- Handle the power cord with care and do not damage it. A faulty or damaged power cord may cause electric shock and malfunction.
- Do not plug or unplug the power cord with wet hands.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- If the unit has not been used for a long time, condensation may form. Allow the unit to reach room temperature before operating.
- Do not exert force on the controls.
- Keep the product away from electronic devices as they may cause interference.
- Keep the original packaging for warranty claims and safe transport.

**Technical specifications**

| Model | C-208 MP | C-210 MP | C-212 MP | C-215 MP |
|---|---|---|---|---|
| Type | Passive Speaker Box | Passive Speaker Box | Passive Speaker Box | Passive Speaker Box |
| Woofer | 8″ | 10″ | 12″ | 15″ |
| Tweeter / Horn | 1″ Coil | 1″ Coil | 1,75″ Coil | 1,75″ Coil |
| Power (PEAK) | 600 W | 800 W | 1200 W | 1400 W |
| Power (RMS) | 150 W | 200 W | 300 W | 350 W |
| Frequency response | 60 Hz – 20 kHz | 50 Hz – 20 kHz | 40 Hz – 20 kHz | 35 Hz – 20 kHz |
| Impedance | 8 Ohm | 8 Ohm | 8 Ohm | 8 Ohm |
| Connections | Speakon compatible | Speakon compatible | Speakon compatible | Speakon compatible |
| SPL max. | 120 dB | 123 dB | 126 dB | 127 dB |
| SPL @ 1W/lm | 93 dB | 94 dB | 95 dB | 96 dB |
| Crossover frequency | 3,5 kHz | 2,8 kHz | 2,5 kHz | 2,5 kHz |
| Flange | 35 mm | 35 mm | 35 mm | 35 mm |
| Housing | Plastic housing / wood optic | Plastic housing / wood optic | Plastic housing / wood optic | Plastic housing / wood optic |
| Dimensions | 29 x 47 x 26,5 cm | 34 x 53,5 x 32 cm | 37,5 x 59,5 x 36,5 cm | 45 x 69,5 x 39 cm |
| Weight | 10,4 kg | 13,9 kg | 18,5 kg | 24,2 kg |

## Connections of the loudspeaker module

The passive loudspeakers of the Pronomic C-Series have 2-pole Speakon compatible parallel loudspeaker connectors.
For optimum performance, it is important to use cables designed specifically for speakers.
Do not use shielded "guitar" signal cables to connect these speakers.
The selection of the appropriate cable diameter is important for the operation of the article.
If the cable is too thin, amplifier power may be wasted due to the resistance of the cable.
In addition, there may be a loss of low frequency power due to a degraded damping factor.
The following table shows the appropriate minimum cable cross-section for various cable lengths and speaker impedance combinations.
When using this table, remember that two 8-ohm speakers connected in parallel are equivalent to a 4-ohm load.

| Kabel Lange In m | Querschnitt in mm2 | Widerstand Ohm | loss of performance | |
|---|---|---|---|---|
| | | | 8 Ohm | 4 Ohm |
| 10m | 0,75 | 0,420 | 5,25% | 10,5% |
| | 1,50 | 0,250 | 3,13% | 6,26% |
| | 2,50 | 0,130 | 1,63% | 3,25% |
| | 4,0 | 0,080 | 1,00% | 2,00% |
| 20m | 0,75 | 0,840 | 10,50% | 21,0% |
| | 1,50 | 0,500 | 6,25% | 12,5% |
| | 2,50 | 0,260 | 3,25% | 6,50% |
| | 4,0 | 0,160 | 2,00% | 4,00% |
| 50m | 0,75 | 2,100 | 26,25% | 52,5% |
| | 1,50 | 1,250 | 15,63% | 31,2% |
| | 2,50 | 0,650 | 8,13% | 16,2% |
| | 4,0 | 0,400 | 5,00% | 10,0% |

## Loop through loudspeakers

If too many speakers are driven by a single amplifier channel, the amplifier may be damaged and/or audio performance may be degraded.
To calculate the combined impedance of several identical speakers (same ohm number) in parallel, please use the following formula:

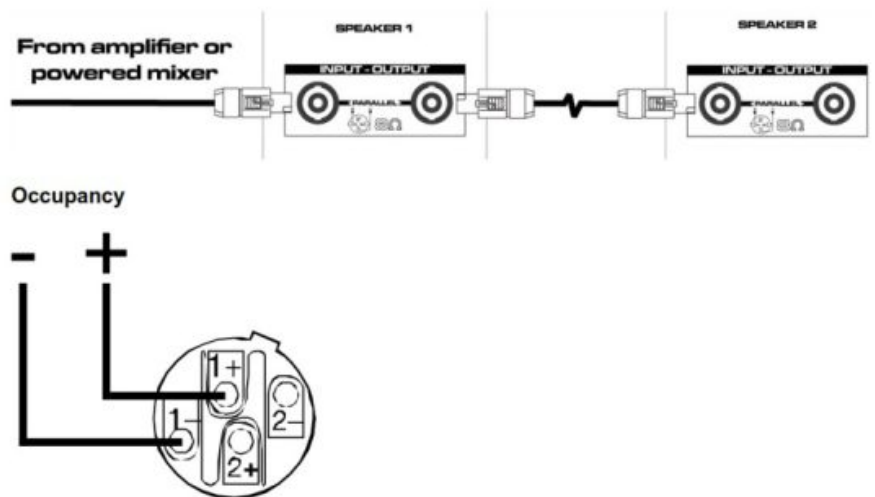$$\frac{\text{Impedance of a single loudspeaker } (\Omega)}{\text{Number of speakers connected in parallel}} = \text{amplifier load in } \Omega$$

It must be ensured that the specified minimum load of the amplifier (often 4 Ω) is not undercut.

## Connections of the loudspeaker module
The two sockets on the back of the passive Pronomic C-Series are wired in parallel. This means that everything you connect to the input socket is simultaneously passed on to another speaker via the output socket.

Occupancy



1. **Input:** This input allows you to connect an active speaker to your passive speaker using Speakon compatible speaker cable.

2. **Output:** This output allows you to connect your passive speaker to another passive speaker using Speakon compatible speaker cable.

**WEEE Declaration**
(Waste of Electrical and Electronic Equipment)

Your product has been designed and manufactured using high quality materials and components that are recyclable and reusable. The symbol means that your product must be disposed of separately from household waste at the end of its life.
Dispose of this device at your local collection or recycling point.
Please help protect the environment in which we all live.
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## Documents / Resources

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|---|---|
|  | **PRONOMIC C-Series Active 2 Way Boxes 10 Inch Speaker** [pdf] Instruction Manual 00090914, 00090915, 00090917, 00090918, C-Series Active 2 Way Boxes 10 Inch Speaker, C-Series, Active 2 Way Boxes 10 Inch Speaker, Boxes 10 Inch Speaker, 10 Inch Speaker, Speaker |

# References

- [**User Manual**](#)