

NETWORK FILTER



**GMG**  
POWER

**X-BLOCKER**



USER MANUAL

## CONTENTS:

PREFACE: .....	3
WARNING: .....	4
TRANSPORT AND UNPACKING: .....	5
PACKAGE CONTENTS: .....	6
DESCRIPTION: .....	7
INSTALLATION AND COMMISSIONING:.....	9
MAINTENANCE AND CLEANING: .....	10
TROUBLESHOOTING: .....	11
TECHNICAL SPECIFICATIONS: .....	12
WARRANTY CONDITIONS: .....	13
NORMS: .....	14

## PREFACE:

The team of GMG Power, s.r.o. congratulations on your purchase of the HIGH-END X-BLOCKER mains filter.

This network filter has been designed with the maximum possible effect of harmonic noise suppression, with special emphasis on quality of make and its design. The whole filter consists of several blocks. Each of these blocks is considered a full-fledged filter. By suitable cascade connection of these blocks, we have achieved a high degree of filtration. Thanks to the materials, technologies, heavily dimensioned components and connections used, this device does not suffer from a loss of sound dynamics.

The filter also contains multiple protection of connected devices against electric shocks in the network. See the technical specifications for more information.

## WARNING:



**CAUTION AND WARNING:** Never remove the device covers or attempt to repair the device. There is a risk of electric shock. Improper handling may affect the electrical safety of the device. Any repairs or modifications may only be carried out by the manufacturer. In the event of user intervention, the warranty will be lost. In case of problems or malfunctions, contact your dealer or the manufacturer of GMG Power s.r.o.



**CAUTION AND WARNING:** All instructions and warnings on the equipment and in the user manual must be followed.



**EQUIPMENT LOCATION:** The equipment is designed for indoor use. For the longest possible life should be in a dry ventilated room. It should not be in a room with high humidity or degraded climatic conditions.



**CAUTION:** We strongly recommend that you read this manual carefully before connecting your components to this equipment. This will prevent a possible incorrect connection, you will achieve the maximum effect on the sound quality and, most importantly, the filter or other connected devices will not be damaged.



**CAUTION:** To reduce the risk of fire or electric shock, do not expose this device to rain or moisture.



**CAUTION:** If the device has been exposed to temperature changes, allow it to stabilize for at least 4 hours.

## TRANSPORT AND UNPACKING:

The weight of this device reaches the limit of 20 kg. Therefore, make sure you use the correct lifting techniques to avoid back strain and injury. Transport the product only in the supplied packaging.

The shipping packaging has been designed to protect its contents and not be damaged under normal shipping conditions. Improper handling during transport would be evident on the transport packaging.

Check the shipping packaging for damage. If any part of the transport packaging, accessories or the filter itself is visibly damaged, contact the carrier and possibly the seller IMMEDIATELY and start resolving the complaint if you want it to be properly applied.

Note:

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**Do not tilt the device even in its original shipping packaging. Individual components of the device may be damaged. Your damage is not covered by the warranty and authorized service can be sought.**



**We strongly recommend that you keep all the original packaging, including the filling for any further packaging, service, transport, etc.**

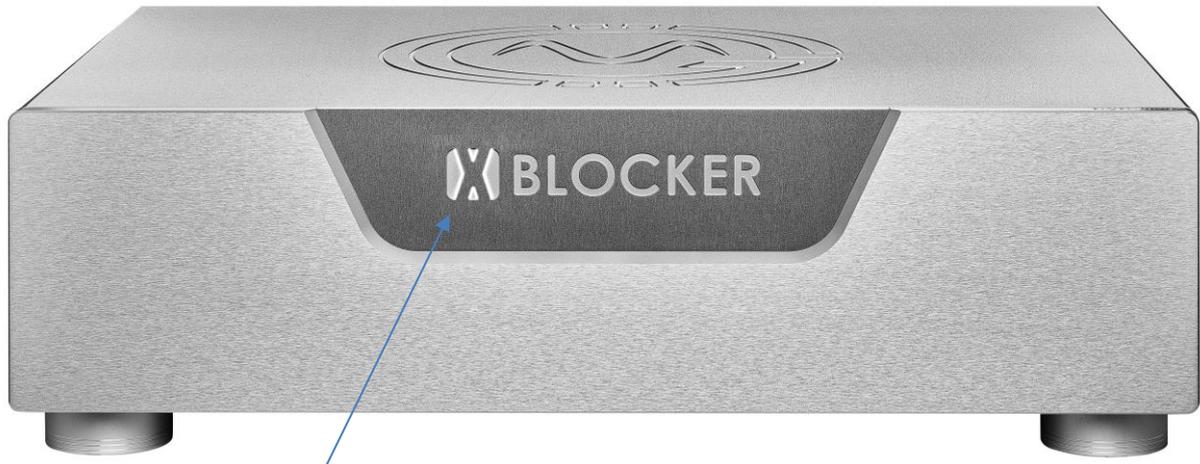
## PACKAGE CONTENTS:

You will find the following items in the package:

- ✓ 1pc X-BLOCKER mains filter
- ✓ 1pc user manual
- ✓ Packaging filling

## DESCRIPTION:

Front side



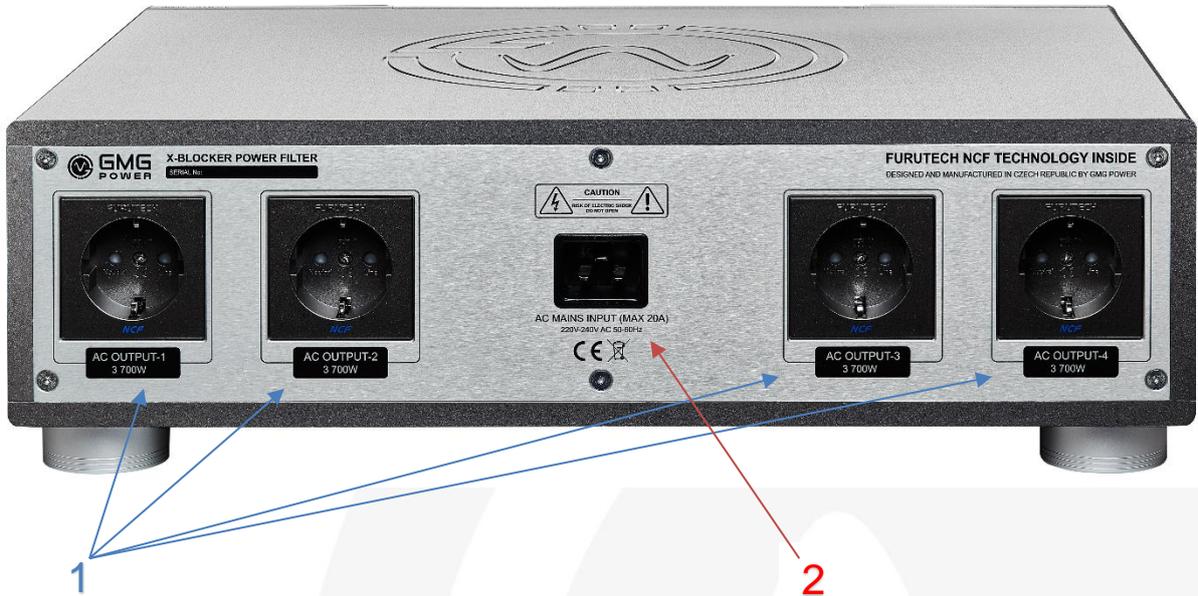
There is an On/Off status indication on the front. This condition is indicated by the illuminated letter **X** in the milled inscription, which glows white light.

The device is free of any switching, control and safety elements.

After connecting the power cord, the device starts working.

The filter is designed for continuous operation and does not need to be disconnected from the mains. It has almost zero (negligible) self-consumption.

Back side:



1. **Output sockets** - 4x Schuko type output socket.
2. **Power socket IEC C20** - The power supply is connected via a C19 type connector.

The device is delivered without a power cord.

### CAUTION



Do not connect devices exceeding the continuous consumption of 16A to one socket!



The total continuous current drawn from all sockets must not exceed 20A.



The sockets have the phase conductor marked in red. For correct function, please make sure that the phase conductor of the connected device has the phase conductor towards the marked conductor in the filter.

## INSTALLATION AND COMMISSIONING:

- Make sure that you have installed the device in a safe place from which it cannot fall or tip over and thus endanger your property or your health.
- Connect the mains lead to the socket marked No.2. according to the figure above.
- If everything is OK, the letter X (hereafter referred to as the function lamp) lights up in white on the front panel. This indicates that the device is working properly and is energized. Switch the device off, connect the appliances and switch it on again. If the function light is on, everything is OK and you can turn on the connected components one by one.



### NOTE:

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- Do not allow the chassis of this unit to touch any metal parts of other equipment, such as an amplifier, preamplifier, etc. This may cause a parallel ground path that could degrade the sound quality of your system.

## MAINTENANCE AND CLEANING:

- The device is designed as maintenance-free.
- Use only a dry microfiber cloth for cleaning.
- It is forbidden to use any cleaning agents based on liquid sands or on hydroxides, alcohols, acids or thinners!

## TROUBLESHOOTING:

Problem	A possible solution
<b>The device does not work after switching to the network</b>	Make sure that the device is properly connected to the mains and the C19 connector is connected correctly.
	Find out if you have a sufficiently large mains supply and if the current protection (circuit breaker in the junction box) is not switched off.
	Check the power cord for damage or visible manufacturing defects.
	If the problem persists, contact your dealer.
<b>The device indicates the power-on status, but the connected device does not work</b>	Check the mains cables for the individual components to ensure that they are correctly inserted into the Schuko output sockets. Some terminals on the cable can put a lot of mechanical resistance when connected.
	If the problem persists, contact your dealer.
<b>The device ejects a house overcurrent breaker when connected to the mains</b>	Check the condition of the power cord or try another one.
	Disconnect all connected components and turn on the device again.
	Have the condition of your network checked to see if there has been any type of fault, such as an overvoltage greater than 275V.
	If the problem persists, contact your dealer.
<b>The device throws out a house circuit breaker when connected to the mains</b>	Check the condition of the power cord or try another one.
	Disconnect all connected components and turn on the device again.
	Have the condition of your network checked to see if there has been any type of fault, such as a fault on the working or ground conductor.
	If the problem persists, contact your dealer.
<b>Smoke comes out of the device</b>	Unplug the appliance as soon as possible and take it to your dealer or the manufacturer directly for service.

## TECHNICAL SPECIFICATIONS:

<b>Nominal input voltage:</b>	230V 50/60Hz $\pm$ 10%
<b>Maximum continuous input current:</b>	20A
<b>Nominal output voltage:</b>	230V 50/60Hz $\pm$ 10%
<b>Maximum load:</b>	3 700W i.e 16A per socket 4 600W i.e 20A on all sockets together
<b>Max. power consumption:</b>	4 600W i.e 20A / 230V
<b>Peak load:</b>	10 000W
<b>Rated no-load power:</b>	<1W
<b>Operating temperature range:</b>	-10°C to +50°C
<b>Peak overvoltage and current protection:</b>	Aktivní pouze v zapnutém stavu
<b>Max. absorbed peak current:</b>	100,000A (1900 Joules pulse 8x20us)
<b>Plasma spark gap protection:</b>	Lightning arresters 20,000 A
<b>Filtering in the frequency range:</b>	RFI/EMI 1 kHz to 3GHz 15-98dB
<b>Weight without power cable:</b>	19kg
<b>Type of sockets:</b>	Power supply rhodium-plated FURUTECH C20, outputs 6xEU rhodium-plated FURUTECH NCF (Schuko)
<b>Ambient humidity:</b>	maximum 85% non-condensing
<b>Integrated DC filter:</b>	Max.3V
<b>Degree of protection:</b>	IP20
<b>Dimensions:</b>	450 x 120 x 310 mm

## WARRANTY CONDITIONS:

- The manufacturer provides a warranty for the goods for a period of 60 months from the date of sale.
- If a defect occurs during the warranty period due to a material defect or a manufacturing defect, the customer has the right to free repair or exchange of goods. The right to exchange goods arises if the device is unrepairable.
- We recommend handing over the product for repair in the original packaging. If the device is handed over without packaging or in a replacement packaging, the customer is responsible for damage caused by transport.
- Free repair will be accepted if the buyer proves purchase receipt with the date of sale.

### **THE WARRANTY DOES NOT COVER:**

- On any mechanical damage (eg. Due to a blow, dropping the equipment, etc.).
- On the ingress of water or any other liquid into the product.
- For defects caused by exceeding any limit in the technical specification.
- For faults caused by a direct lightning strike to the electrical installation to which the device is connected.
- Defects caused by handling outside this instruction manual.
- For defects caused by improper transport.
- The right to claim the warranty expires with the loss of proof of purchase proving the date of purchase.
- The right to claim the warranty expires in the event of unauthorized removal of the device covers and damage to the seal by the manufacturer and any intervention in the device.

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GMG Power s.r.o. reserves the right to make any changes to the information contained in this manual without prior notice.

## NORMS:

Device X-BLOCKER meets the following standards:

**EN 60065:2014 +A11:2017 +AC:2016 +AC2:2017**

**EN 55032:2015 +AC Jul.:2016**

**EN 61000-3-2:2014**

**EN 61000-3-3:2013**

**EN55024:2010 +A1:2015**



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