



# MaGnat Monitor Reference 3A Instruction Manual

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# Magnat<sup>®</sup>

**MaGnat Monitor Reference 3A**



**Dear MAGNAT Customer,**

Congratulations on your fine new loudspeakers and thank you very much for choosing MAGNAT! You have made an excellent choice. The high-quality speakers produced by MAGNAT are renowned all over the world. Please study the instructions and information below carefully before using your new loudspeakers.

**IMPORTANT SAFETY PRECAUTIONS**

- Please read through the instruction manual carefully before starting to use the device. This manual contains important information concerning operation and safety aspects. It is imperative you observe all of the information. Keep the manual in a safe location.
- **WARNING NOTICES:** All of the warning symbols on the device, accessories and in the instruction manual itself must be adhered to.
- **EXPOSURE TO HEAT:** Only operate the device and accessories in a temperature range from 10°C to 40°C.
- The device should not be positioned near heat sources (heaters, ovens, radiant heaters, naked flames, etc.). When setting up close to an amplifier a minimum distance of 10 cm must be maintained. No naked flame sources, such as lighted candles, should be placed on the device. Pay attention to a sufficient ventilation of the device. The device may not be covered, e.g. by drapes, curtains. Maintain a distance of 20 cm to walls.
- **EFFECT OF MOISTURE:** The device should not be exposed to dripping or splash water. Neither should it be used to support vases or other containers filled with liquid.
- Do not expose the device to water or high levels of humidity. There is a danger of electric shock. In the event of contact with moisture or liquids remove the mains adapter immediately.
- **FOREIGN MATERIAL:** Ensure that no foreign material enters through the device openings and into the interior.

This could trigger short circuits and even result in electric shock and fire.

- **CLEANING:** Please use a soft, dry cloth with no cleaning agents, sprays or chemical solvents, as these could damage the surfaces.
- **ELECTRICAL CONNECTION:** Please note the voltage levels on the information signs. The mains adapter for the device should only be operated with the voltage and frequency values specified on the signs.
- **LIGHTNING PROTECTION/PREVENTIVE MEASURES:** If the device is not going to be used for a prolonged period (e.g. when on holiday), it should be disconnected from the mains by removing the plug. The device should also be disconnected from the mains in the event of a thunderstorm. Doing this will prevent damage caused by lightning and overvoltage.
- **MAINS CABLE:** The mains cable must always be suitable for operation and it should only ever be laid out in a manner that prevents it from being trodden on. It should not be pinched by objects either, as this can damage the cable. When using plugs and power strips it must be ensured that the cable is not kinked at the point where it emerges from the socket. Do not connect or remove the mains cable with damp hands.
- The mains plug is used as the disconnecting device. Disconnecting devices shall remain readily operable.
- Do not endanger the safety of plugs with reverse polarity protection or a ground connection. A plug with reverse polarity protection has 2 contacts with one wider contact.
- A plug with a ground connection has 2 contacts and a third contact that functions as a ground connection. The third contact is for your safety. If the supplied cable is not compatible with your socket, please ask an electrician to replace the unusable cable.
- **O VERLOAD:** Sockets, power strips and extension cables should not be overloaded. Observe the rated values on the sockets and extension cables. If an overload occurs, there is a risk of electric shock and fire.
- **SETTING UP:** Please read the installation instructions. The device should only be positioned or mounted on a solid surface and not on moving base frames, otherwise there is a risk of injury.
- Only use attachments/accessories specified by the manufacturer.

#### **RISK OF SWALLOWING BATTERIES:**

1. Do not ingest the battery, Chemical Burn Hazard, The remote control supplied with this product contains a coin/button cell battery.  
If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
2. Keep new and used batteries away from children.
3. If the battery compartment does not close securely, stop using the product and keep it away from children.
4. If you think batteries might have been swallowed or placed inside any part of body, seek immediate medical attention.

#### **DAMAGE THAT MUST BE RECTIFIED BY A SPECIALIST:**

If any of the following damage occurs, disconnect the speaker from the mains immediately and contact a specialist to conduct the repair work:

- The device should not continue to be operated if there is visible damage to the mains cable. A damaged cable should not be repaired, but must be replaced.
- Damage to the mains socket at the device.
- If moisture or water has entered the device or foreign objects have fallen into the device.

- If the device has fallen and the housing is damaged.
- If the device does not work properly, even though all of the information in the instruction manual has been observed.
- Only those subsequent alterations approved by the manufacturer may be conducted. Only original spare parts should be used for repair. After conducting any repairs the safety of device should be checked to ensure it is functioning correctly and safely.
- Repairs must always be conducted by qualified specialists, as you might otherwise be exposed to dangerous high voltage levels or other hazards.
- The triangle with a lightning symbol warns the user that high voltage is used within the device which can result in electric shock.
- The triangle with an exclamation mark informs the user that important operating and maintenance instructions (repair) are contained in the accompanying instruction manual, which must be observed.
- Do not open! Risk of electric shock!
- **CAUTION:** In order to avoid electric shock do not open the speaker housing/mains adapter or remove the covers. The user is not to conduct any repairs him/herself. Repairs should only be conducted by qualified technicians! Do not use any sockets or extension cables that do not fully accommodate the plug of the device.

## **INSTRUCTIONS FOR DISPOSAL**

In accordance with European Directive 2012/19/EU all electrical and electronic appliances must be disposed of separately via local collection points. Please observe the local regulations and do not dispose of your old appliances with normal household waste.

## **Battery disposal**

Old batteries are hazardous waste and must be disposed of in accordance with current regulations.

## **DECLARATION OF CONFORMITY**

Hereby, Magnat Audio-Produkte GmbH declares that the device MONITOR REFERENCE 5A, A3, A2 is in compliance with the essential requirements and other relevant provisions of directive 2014/53/EU. The Declaration of Conformity can be found at [www.magnat.de](http://www.magnat.de) in the download area of the device.

## **USE AS DIRECTED**

This device is designed for indoor use only.

## **CONTENTS**

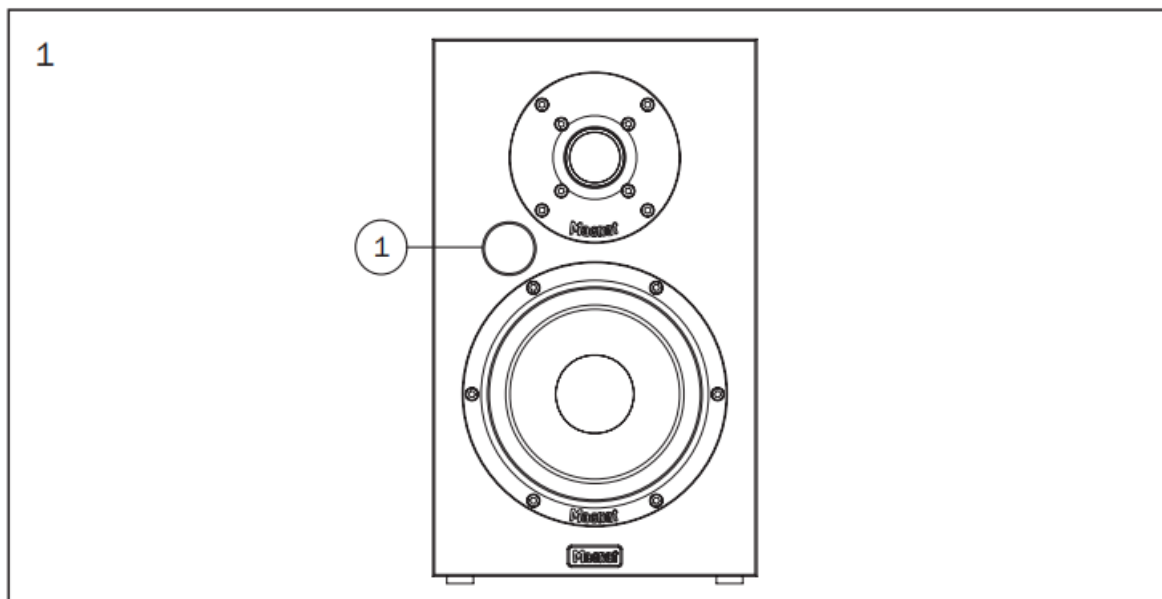
- (A) 1 pc. Active speaker
- (B) 1 pc. Passive speaker
- (C) 1 pc. Mains cable for of the active speaker
- (D) 1 pc. Remote control including battery (2 x AAA)
- (E) 3 m Speaker cable
- (F) 1 pc. Instruction manual (incl. warranty certificate)

## **UNPACKING THE SPEAKER SET**

Please unpack the speakers and accessories carefully and check the contents of the box using the list above. In the event of any transport damage, please contact your supplier. Keep the packing material in a safe location. The original packaging enables trouble-free transportation for any subsequent relocation and servicing requirements.

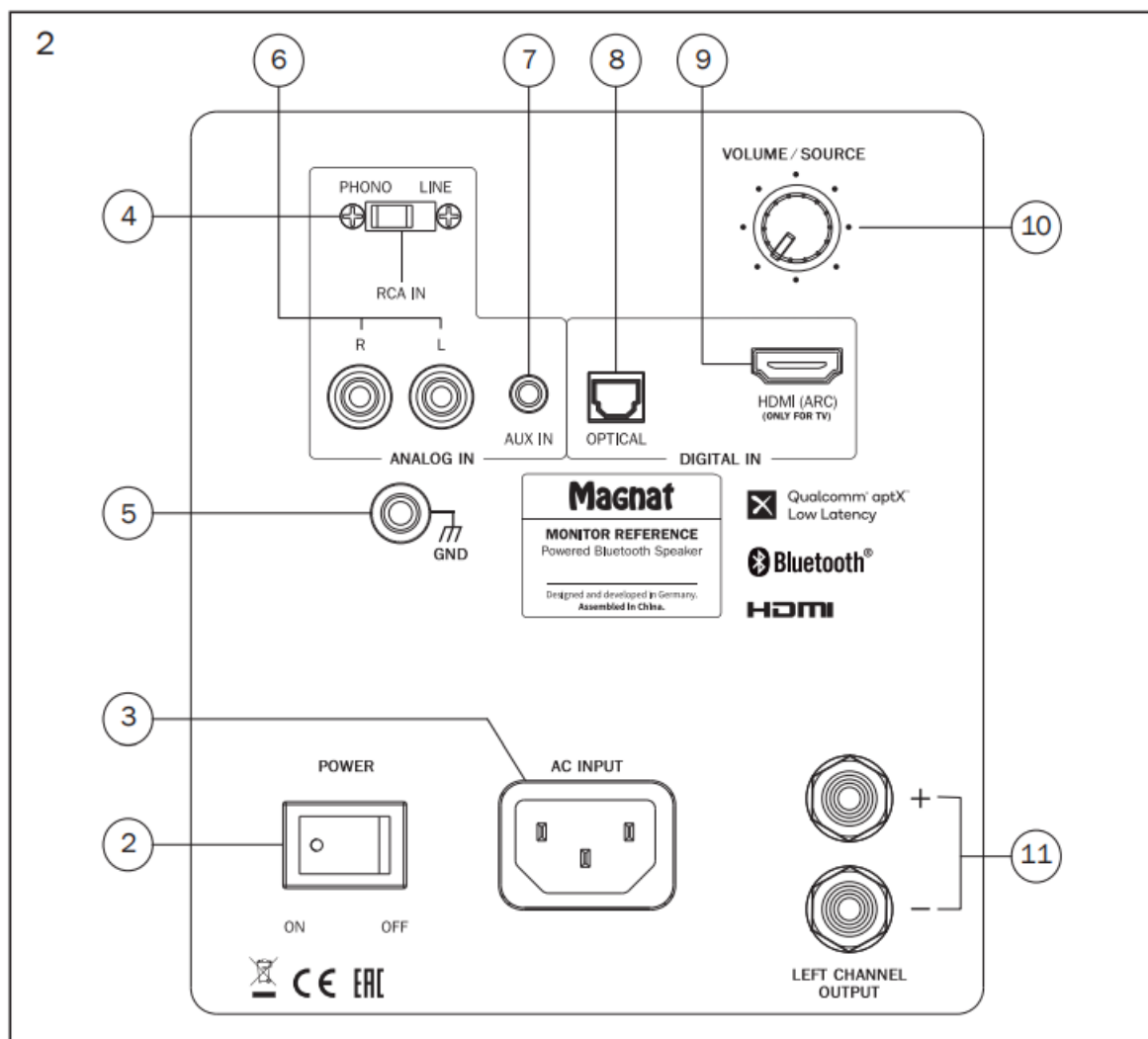
## OPERATIONAL ELEMENTS

### LED status indicator for the active speaker (Fig. 1)



- red: Standby mode
- red, flashing: Mute mode active, device is muted
- green: analogue input active (Phono/Line)
- orange: AUX input active (3.5 mm jack socket)
- turquoise: optical input active
- white: HDMI (ARC) input active
- blue: Bluetooth input active, connected to the source device
- blue, flashing quickly: Bluetooth input active, device in pairing mode
- blue, flashing slowly: Bluetooth input active, no source device connected

### Rear controls of the active speaker (Fig. 2)

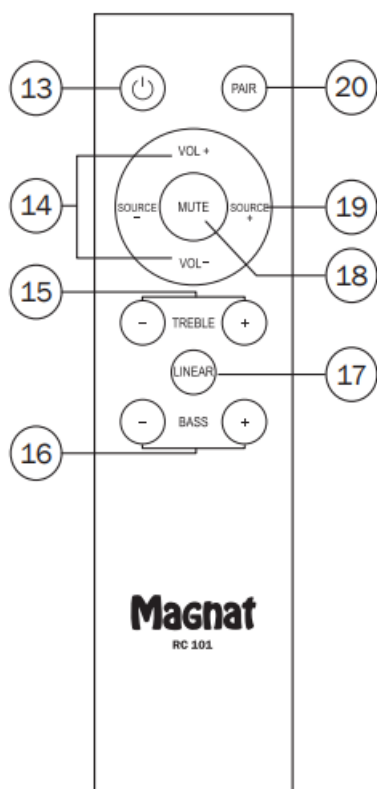


1. Power switch
2. Mains connection
3. Switch PHONO/LINE
4. Earth terminal GND
5. RCA IN: Analogue stereo input (RCA jack)
6. AUX IN: Analogue stereo input (3.5 mm jack socket)
7. OPTICAL: Optical digital input
8. HDMI (ARC): HDMI (ARC) input
9. Rotary/push button for volume control and source selection
10. LEFT CHANNEL OUTPUT: Connection for the left passive speaker

**ATTENTION:**

11. The loudspeaker is equipped with an integrated amplifier and needs to be connected to a mains outlet by means of the supplied mains cable.

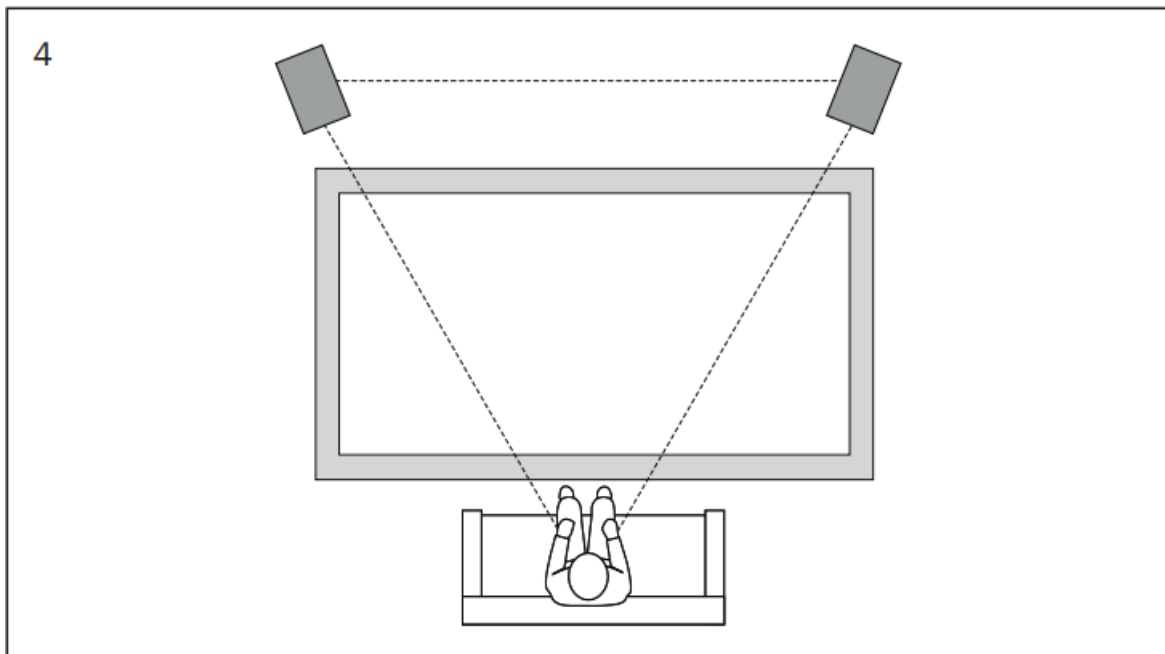
**Operation with the system remote control (fig. 3):**



- 12. **ON/STBY:** Switches the device on when it is in the standby mode. If the Standby-LED (fig. 1 (1)) does not illuminate, actuate the power switch (fig. 2, (2)) located on the rear. Conversely the device can be switched from power operation to the standby mode.
- 13. **VOLUME:** Increases (+) or decreases (-) the volume.
- 14. **TREBLE:** Increases (+) or decreases (-) the volume of high frequencies for manual adjustment of the sound pattern.
- 15. **BASS:** Increases (+) or decreases (-) the volume of low frequencies for manual adjustment of the sound pattern.
- 16. **LINEAR:** Resets all of the changes made to the frequency response (buttons 15 and 16) to a neutral setting.
- 17. **MUTE:** Switches the sound on and off.
- 18. **SOURCE:** Selects the audio input: PHONO/LINE, AUX IN, OPTICAL, HDMI (ARC), BLUETOOTH
- 19. **PAIR:** Switches the device to the pairing mode when in Bluetooth operation to establish a connection to a Bluetooth source device. The blue LED status indicator (Fig. 1,
- 20. flashes quickly.

## INSTALLATION OF THE SPEAKERS

In the ideal configuration the speakers and the listening position should form an equilateral triangle. When the left and right speakers are the same distance from the listening position their sound arrives at the same time, resulting in a harmonious, natural music reproduction. (Fig. 4)



There should be a clear line of sight between the loudspeakers and the listening position. Any sound-absorbing or reflecting obstacles in the

path will distort the sound. When you install the loudspeakers the following distances should be maintained:

**MONITOR REFERENCE 5A:** at least 20 cm away from the rear wall and at least 30 cm from the side walls. This will prevent excessive emphasis of the bass range.

**MONITOR REFERENCE 3A, 2A:** shelf loudspeakers should also be as free-standing as possible, the distance to the sides and rear to walls and items should be at least 10 cm, the tweeters should be located at ear height. If the speakers are arranged on a shelf, there must be a minimum clearance of 10 cm to the shelves above or the ceiling.

### Connecting audio sources to the active speaker

#### 1. Connection to an amplifier, AV receiver or other analogue audio source

Connect the audio input of the active loudspeaker (RCA IN, Fig. 2 (6)) to the audio output on the device using an RCA stereo audio cable. CAUTION: The switch (Fig. 2 (4)) must be set to LINE.

#### 2. Connecting a record player to the active loudspeaker (Record players with a magnet system (MM))

Connect the audio input of the active loudspeaker (RCA IN, Fig. 2 (6)) to the audio output on the record player using an RCA stereo audio cable. In addition, the earth wire of the record player (where present) has to be connected to the screw terminal (Fig. 2 (5)).

CAUTION: The switch (Fig. 2 (4)) must be set to PHONO.

#### 3. Connect to a headphone jack or pre-amplifier output with 3.5mm jack

Connect the audio input of the active loudspeaker (AUX IN, Fig. 2 (7)) to the headphone output on your amplifier, TV, MP3 player, smartphone, etc. using a 3.5 mm audio cable/3.5 mm stereo jack.

#### 4. Connecting to digital audio sources

Connect the audio input of the active loudspeaker (Digital IN, Fig. 2 (8)) to the digital output on your CD player, computer, games console, network player or TV using an optical digital audio cable.

PLEASE NOTE: The digital input is suitable for stereo signals up to 24 bit/192kHz

#### 5. Connection to a Bluetooth device

Switch the active loudspeaker to the Bluetooth input. If you have previously connected a Bluetooth device, the loudspeaker will automatically attempt to re-establish a connection with this device. If this is the case, you may be required to manually reconfirm the connection on the source device.



If a connection has not already been made or the connection cannot be re-established, activate the ‚pairing mode‘. To switch the speaker to the pairing mode, briefly press the PAIR button (Fig. 3, (20)) on the remote control. The blue STBY/Pair LED (Fig. 1, (1)) will flash quickly whenever the pairing mode is active.

Now activate the Bluetooth mode on your source device. The speaker will appear in the list of Bluetooth devices as „MONITOR REFERENCE 5A“, „MONITOR REFERENCE 3A“ or „MONITOR REFERENCE 2A“. If it is not displayed in the list, set your source device to search for Bluetooth devices manually and make sure that the speaker has been switched to the pairing mode.

Depending on the source device, you may be asked whether the password is to be accepted during the pairing procedure. You can confirm this by simply pressing „Accept“. If you are still asked for a password, use the default passwords „0000“ or „1234“. If you are asked if you want to establish a connection after pairing, please select „Yes“. When the device has been paired and connected successfully the LED status indicator will illuminate continuously blue.

The loudspeaker supports the „Qualcomm® aptX™“ high quality audio transmission standard. If your source device also supports this standard, „Qualcomm® aptX™“ will be selected automatically as the transfer mode when establishing a Bluetooth connection.

## **6. Connecting the TV to the HDMI® port HDMI/ARC (Fig. 2 (9))**

Connect your TV to this port if it has an HDMI® socket with ARC functionality (Audio Return Channel, HDMI® 1.4 standard).

If the HDMI® port on your TV also supports CEC functionality (Consumer Electronics Control), then basic functions of the loudspeaker such as switching on/off, volume and mute can be controlled via your TV's remote control. The CEC functions that are available vary from TV to TV and should be checked in each individual case. Please refer to the operating instructions supplied with your TV for further information. Most manufacturers have their own name for the CEC function, however, most end in the term „Link“. Note: for reasons of a technical nature the CEC function is only available via HDMI® ports.

These functions may need to be activated in the TV's settings.

The necessary HDMI® connecting cable is not included in delivery.

### **NOTE:**

Please check whether the output of the audio source

- a) has a fixed volume level or
- b) the level can be adjusted with the volume controller of the audio source.

In case a) you can adjust the volume using the remote control of the MAGNAT MONITOR REFERENCE; in case b) the level of the audio source should be set to a maximum level where no distortions can be heard at the highest volume setting of the MAGNAT MONITOR REFERENCE. The volume of the audio source should also be taken into account. No distortions should be evident here either.

### **Connecting the left speaker**

The set consists of an active speaker and a passive speaker. A stereo amplifier is incorporated in the active speaker. The left, passive speaker is connected using the supplied cable. Please take the polarities into account when doing this. The positive terminal of the active speaker must be connected with the positive terminal of the passive speaker and the negative terminal of the active speaker must be connected with the negative terminal of the passive speaker. One wire of the speaker cable is marked to provide protection against polarity reversal.

## **OPERATION**

As soon as the device is connected to the power supply and the power switch (Fig. 2, (2)) has been turned on, the STBY LED on the active loudspeaker lights up red. The speaker is then in stand-by mode. 5 different audio sources can be connected to the active loudspeaker at the same time via the outputs (6), (7), (8), (9) and Bluetooth. The speaker is switched on using the remote control (Fig. 3, (13)) and an audio source selected using the button (19). The volume is regulated via the button (14), the speaker can be switched to mute using button (18). With the BASS (16) and TREBLE (15) buttons, the bass and treble levels can be adjusted to the set-up and your own personal listening taste. The LINEAR button is used to reset the bass and treble control to the neutral position.

Alternatively, the loudspeaker can be operated on the active speaker's rear connection panel (Fig. 2). Pressing the VOLUME/SOURCE control

(10) the first time switches on the active speaker, pressing it again selects the inputs in turn. The volume is regulated by turning the control.

Prolonged pressing switches the loudspeaker to stand-by mode.

#### **Please note:**

All MAGNAT loudspeakers are designed and built for optimum sound reproduction with the tone controls in the central position – i.e. with

“linear” amplifier output. Turning up the bass and treble controls too far delivers more power to the woofers and/or tweeters, and at high

volumes this can actually destroy the speaker units! Always turn the volume down immediately as soon as you hear distortion!

#### **CAUTION**

Interfering with the speaker or accessories shall result in the expiration of the operating licence. The supplied accessories are to be used for operation. Additional accessories must be intended for the purpose at hand and in perfect working order.

#### **AUTO STANDBY FUNCTION**

The unit has an Auto Standby function that automatically switches the device to stand-by mode if no audio signal is detected on the inputs over a period of approx. 60 minutes. This function implements an EU energy-saving regulation (1275/2008 EG), reducing power consumption if the device is accidentally left turned on after use.

This function can be deactivated as follows:

Press the MUTE button on the remote control. Then keep the Volume/Source control at the rear of the right speaker depressed for 5 seconds

and release it. The green LED flashes twice in the display as confirmation. The Auto Stand-by function has been deactivated.

Repeat the procedure to re-activate the Auto Stand-by function. The green LED flashes once in the display as confirmation.

#### **SPECIFICATIONS**

- **Configuration:** 2.5-way bass reflex, active/2-way bass reflex, active/2-way bass reflex, active
- **Speaker assembly:** 6.5" woofer 6.5" woofer-midrange 1" tweeter/6.5" woofer-midrange 1" tweeter/5" woofer-midrange 1" tweeter
- **Output power (RMS/Max.):** 2 x 60 / 2 x 120 watts 2 x 40 / 2 x 80 watts 2 x 35 / 2 x 75 watts
- **Frequency range:** 28 – 40.000 Hz 34 – 40.000 Hz 38 – 40.000 Hz
- **Crossover frequency:** 3.200 Hz 3.300 Hz 3.500 Hz
- **Operating frequency:** 2402 – 2480 MHz 2402 – 2480 MHz 2402 – 2480 MHz
- **Maximum emitted power**
- **(EN 62479):** 2.41 dBm 2.41 dBm 2.41 dBm
- **Mains voltage:** 100 – 240 V 100 – 240 V 100 – 240 V
- **Dimensions (WxHxD):** 205 x 908 x 282 mm 205 x 335 x 252 mm 175 x 290 x 205 mm
- **Weight**

- Active speaker: 14.7 kg 6.4 kg 4.4 kg
- Passive speaker: 13.8 kg 5.8 kg 3.8 kg

**Congratulations!** You have made a wise selection in becoming the owner of a MAGNAT HiFi equipment. Due to high quality MAGNAT products have earned an excellent reputation through the western world. And this high quality standard enables us to grant a 5-years warranty for MAGNAT HiFi speakers and a 2-years warranty for MAGNAT

#### **HiFi-electronic components.**

The equipments are checked and tested continuously during the entire production process. In case you have problems with your

**MAGNAT HiFi** equipment, kindly observe the following:

1. The guarantee period commences with the purchase of the component and is applicable only to the original owner.
2. During the guarantee period we will rectify any defects due to faulty material or workmanship by replacing or repairing the defective part at our discretion. Further claims, and in particular those for price reduction, cancellation of sale, compensation for damages or subsequential damages, are excluded. The guarantee period is not altered by the fact that we have carried out guarantee work.
3. Unauthorized tampering with the equipment will invalidate this guarantee.
4. Consult your authorized dealer first, if guarantee service is needed. Should it prove necessary to return the component to the factory, please insure that
  - the component is packed in original factory packing in good condition
  - the quality control card has been filled out and enclosed with the component,
  - you enclose your receipt as proof of purchase.
5. Excluded from the guarantee are:
  - Illuminates
  - Wear parts
  - Shipping damages, either readily apparent or concealed (claims for such damages must be lodged immediately with forwarding agent, the railway express office or post office).
  - Scratches in cases, metal components, front panels, etc. (You must notify your dealer directly of such defects within three days of purchase.)
  - Defects caused by incorrect installation or connection, by operation errors (see operating instructions), by overloading or by external force.
  - Equipments which have been repaired incorrectly or modified or where the case has been opened by persons other than us.
  - Consoquential damages to other equipments.
  - Reimbursement of cools, without our prior consent, when repairing damages by third parties.


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## Documents / Resources

	<p><a href="#">MaGnat Monitor Reference 3A</a> [pdf] Instruction Manual Monitor Reference 3A, Reference 3A, Monitor 3A, 3A</p>
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## References

- [M MAGNAT Onlineshop](#)

Manuals+.