

# Operating instructions

## OVATION MP 6.2



**AVM**  
AUDIOPHILE MASTERPIECES



## Caution

This unit contains a class 1 laser diode. Do not open. Invisible laser radiation can damage your eyes.

Laserdiode Typ: Ga-Al-As  
Wavelength: 755 - 815 nm (25 °C)  
Output power: max. 0,7 mW max.

CLASS 1 LASER PRODUCT  
LASER KLASSE 1

## Declaration of conformity (for EC only)

We herewith confirm, that the unit to which this manual belongs fulfills the EC rules necessary to obtain the sign



the necessary measurements were taken with positive results.

**AVM Audio Video Manufaktur GmbH**  
**Daimlerstraße 8**  
**D-76316 Malsch**  
**Germany**

[www.avm.audio](http://www.avm.audio)  
[info@avm.audio](mailto:info@avm.audio)

## **Dear customer**

Thank you for purchasing this AVM product. You now own a versatile, excellent sounding hifi component. Before enjoying music, please read this manual carefully. After that you will know how to use your new MP 6.2 in the optimal way.

Please note that the range of functions of your AVM hifi component can be easily expanded by means of a software update at any time. Hence, the present operating instructions will require continued updates going forward. You you can always download the most current version from our website at [www.avm.audio](http://www.avm.audio).

Sincerely yours,

**The AVM Team**

# Table of contents

|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>Getting started</b>                               | <b>6</b>  |
| 1.1      | What's in the box?                                   | 6         |
| 1.2      | Control and operating elements                       | 6         |
| 1.3      | Installation and cooling                             | 7         |
| 1.4      | Connection to mains                                  | 7         |
| 1.5      | Connection to a preamplifier or integrated amplifier | 8         |
| 1.6      | Connection of digital signal sources                 | 8         |
| 1.7      | RC 9 remote control                                  | 8         |
| 1.8      | RC S App for iOS and Android                         | 8         |
| 1.9      | Network installation (LAN, WiFi)                     | 9         |
| 1.10     | Software updates                                     | 12        |
| <b>2</b> | <b>Basic operation</b>                               | <b>13</b> |
| 2.1      | First operation / self test                          | 13        |
| 2.2      | Switching on / stand by                              | 13        |
| 2.3      | Display  | 13        |
| 2.4      | CD Player  | 14        |
| 2.5      | Selecting the signal                                 | 16        |
| 2.6      | Volume setting                                       | 16        |
| 2.7      | Samplerate and filter setting                        | 17        |
| 2.8      | USB B digital input                                  | 17        |
| <b>3</b> | <b>Advanced Settings</b>                             | <b>18</b> |
| 3.1      | Personal Setup                                       | 18        |
| 3.2      | Reset (factory default settings)                     | 19        |
| <b>4</b> | <b>RC 9 Fernbedienung (optionally available)</b>     | <b>20</b> |
| 4.1      | Overview   | 20        |
| 4.2      | Activation and stand by mode                         | 21        |
| 4.3      | Battery charge                                       | 21        |
| 4.4      | Colour display                                       | 21        |
| 4.5      | Entry of letters, numbers, and characters            | 22        |
| 4.6      | Hotkeys  | 22        |
| 4.7      | System settings                                      | 22        |
| 4.8      | Source Menu  | 25        |
| 4.9      | Receiver Settings                                    | 28        |
| <b>5</b> | <b>Appendix</b>                                      | <b>29</b> |
| 5.1      | Cleaning   | 29        |
| 5.2      | Troubleshooting                                      | 29        |
| 5.3      | Conditions of warranty (EC only)                     | 30        |
| <b>6</b> | <b>Technical Data</b>                                | <b>31</b> |
| 6.1      | Digital input  | 31        |
| 6.2      | CD-Player  | 31        |
| 6.3      | Analogue out   | 31        |
| 6.4      | Streaming capabilities                               | 31        |

# 1 Getting started

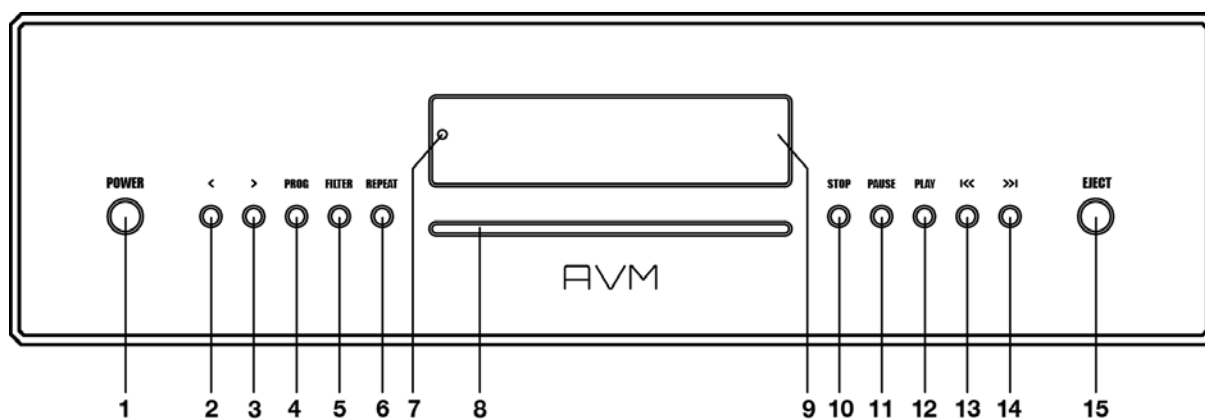
## 1.1 What's in the box?

- **OVATION MP 6.2 Compact Streaming CD-Receiver**
- **WLAN antenna**
- **Power cable**
- **Optional accessory: RC 9 remote control with docking station, power supply unit, USB charging cable**

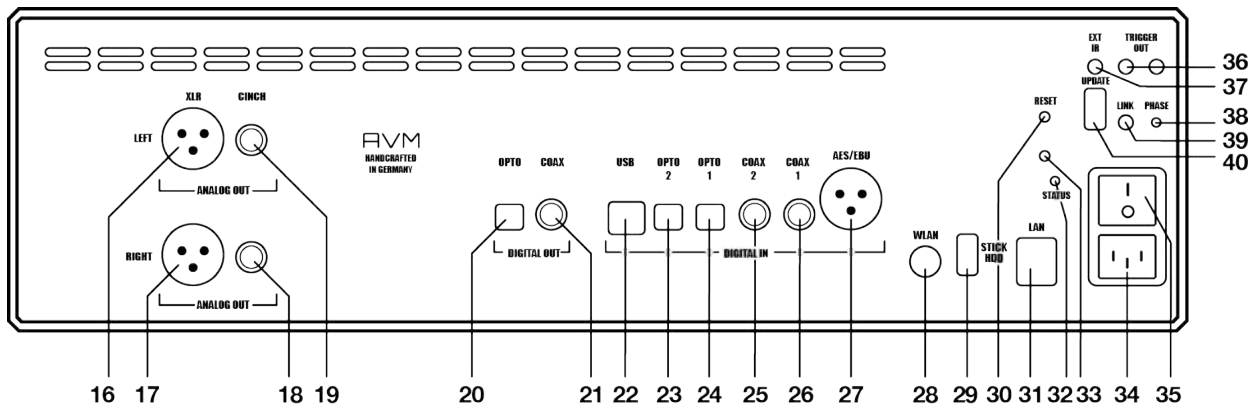
**CAUTION:** After unpacking, please check the scope of delivery to ensure that all parts have been supplied and are undamaged. In case the original packing has already been opened, please contact your local dealer. Often, your dealer prepares your new device prior to delivery to adapt and change the configuration to your personal needs.

## 1.2 Control and operating elements

The numbers in the drawings below mark the control elements. They refer to the numbers in the text, where the operation of the unit is described.



- |   |                                 |
|---|---------------------------------|
| 1 Power button (on / off)                 | 9 Display                       |
| 2 Option key < (Input, track programming) | 10 STOP button                  |
| 3 Option key > (Input, track programming) | 11 PAUSE button                 |
| 4 PROG button (track programming, RND)    | 12 PLAY button                  |
| 5 FILTER button                           | 13 Skip / Search button back    |
| 6 REPEAT button                           | 14 Skip / Search button forward |
| 7 Control LED                             | 15 EJECT button                 |
| 8 CD slot                                 |                                 |



- |                                      |  |
|--------------------------------------|--|
| 16 Analogue output left (XLR)        | 29 USB digital input for storage media |
| 17 Analogue output right (XLR)       | 30 Reset button                        |
| 18 Analogue output right (Cinch/RCA) | 31 Network port (LAN)                  |
| 19 Analogue output left (Cinch/RCA)  | 32 Status LED                          |
| 20 Digital output optical            | 33 Update button (Streaming module)    |
| 21 Digital output coaxial            | 34 Mains connector                     |
| 22 USB B digital input               | 35 Mains switch                        |
| 23 Digital input optical 2           | 36 Trigger outputs                     |
| 24 Digital input optical 1           | 37 Connector for external IR receiver  |
| 25 Digital input coaxial 2           | 38 Phase LED                           |
| 26 Digital input coaxial 1           | 39 Link                                |
| 27 Digital input AES/EBU             | 40 Configuration port (updates)        |
| 28 WiFi antenna socket               |  |

### 1.3 Installation and cooling

The unit can become hot depending on demanded output power or environmental temperature. Therefore it is important, that the cooling air can flow unhindered into the air inlet in the bottom and flow out through the holes in the rear panel. Direct exposure to sunlight is not recommended because this will heat up the unit and may cause unwanted malfunctions.

### 1.4 Connection to mains

Connect the unit to the mains outlet (34) by using the power cord which is (in some countries) delivered together with the unit. Make sure that mains voltage is according to the value printed on the rear panel of the amp (near mains connector).

**CAUTION:** Keep the unit switched off (35) until all audio connections are made.

## 1.5 Connection to a preamplifier or integrated amplifier

Connect the analogue outputs (16-19) to the high-level inputs of a preamplifier or integrated amplifier. The RCA-cinch outputs and the balanced XLR outputs are fully decoupled from each other and can be used independently.

## 1.6 Connection of digital signal sources

### Digital signal sources

Connect the outputs of your digital sources to the corresponding inputs of the MP 6.2:

- Optical inputs (23,24)
- Coaxial inputs (25,26)
- USB B input (22)
- AES/EBU input (27)

### Digital input sources

The input of a digital recorder must be connected to the digital outputs (20, 21). The signal on the digital outputs depends on the selected source (e.g. **DIG COAX**, **DIG OPT**).

## 1.7 RC 9 remote control

The optionally available RC 9 remote control allows for easy and comprehensive control of the MP 6.2. Before you can use the RC 9 together with your MP 6.2, both components need to be connected. This process is also referred to as **Pairing**. In order to start the pairing process, please follow the instructions as described in section 4.7.5. For a detailed description of functions and features of the optionally available RC 9 remote control, please refer to chapter 4.

## 1.8 RC S App for iOS and Android

The RC S App for iOS and Android will turn your smartphone or tablet into an easy-to-use remote control and provides a variety of intuitive features to get the most out of your network-enabled AVM device. The RC S App is available free of charge and can be downloaded from the [Apple App Store](#) and the [Google Play Store](#). For detailed instructions on how to set-up your AVM device with the RC S App, please refer to the RC S User Guide which can be downloaded from our website at [www.avm.audio](http://www.avm.audio).



## 1.9 Network installation (LAN, WiFi)

In order to use the integrated streaming functions (e.g. **TIDAL**, **Airable**, **Webradio**, **Musik-Server** etc.) your MP 6.2 needs to be connected to the internet via a router in your home network. You can choose from a wired ethernet connection (LAN) (31) or a wireless WiFi connection (28).

In order to use the WiFi connection of the MP 6.2, the included WiFi antenna needs to be installed (28). Please follow the instructions below to connect your MP 6.2 to your local home network.

### 1.9.1 Network installation: Wired ethernet connection (LAN)

- ✓ Please switch off the MP 6.2 on the rear side of the unit (35).
- ✓ Plug an ethernet cable from your local router into the network port of the MP 6.2 (31).
- ✓ Switch on the MP 6.2 on the rear side of the unit (35). Wait until the device has started and went into stand by mode. Now, switch it on with the power button on the front side (1).
- ✓ After a brief starting process your MP 6.2 automatically connects to your local home network and is ready to be operated via [RC S App for iOS and Android](#).

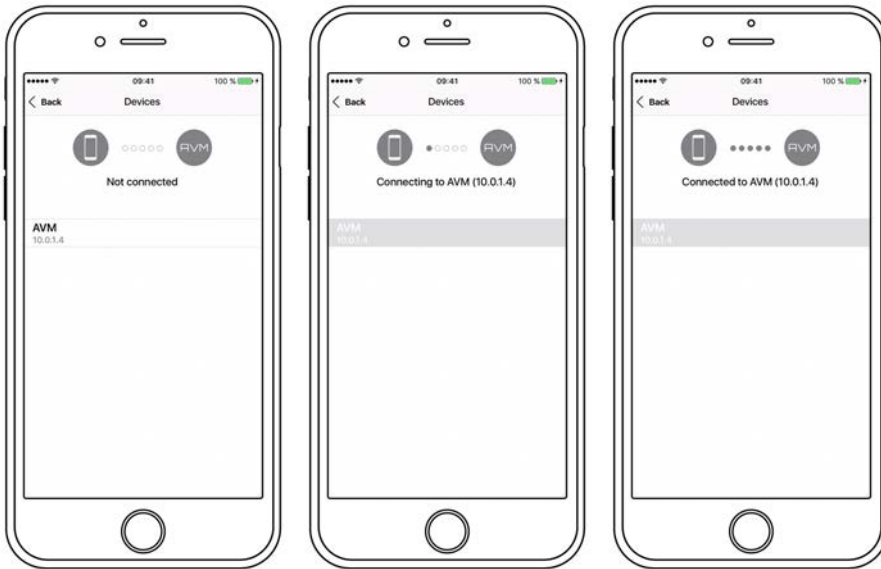
### 1.9.2 Network installation: Wireless connection (WiFi)

In order to set up the MP 6.2 with a wireless connection, you need to download and install the free [RC S App for iOS and Android](#) or the optionally available RC 9 remote control.

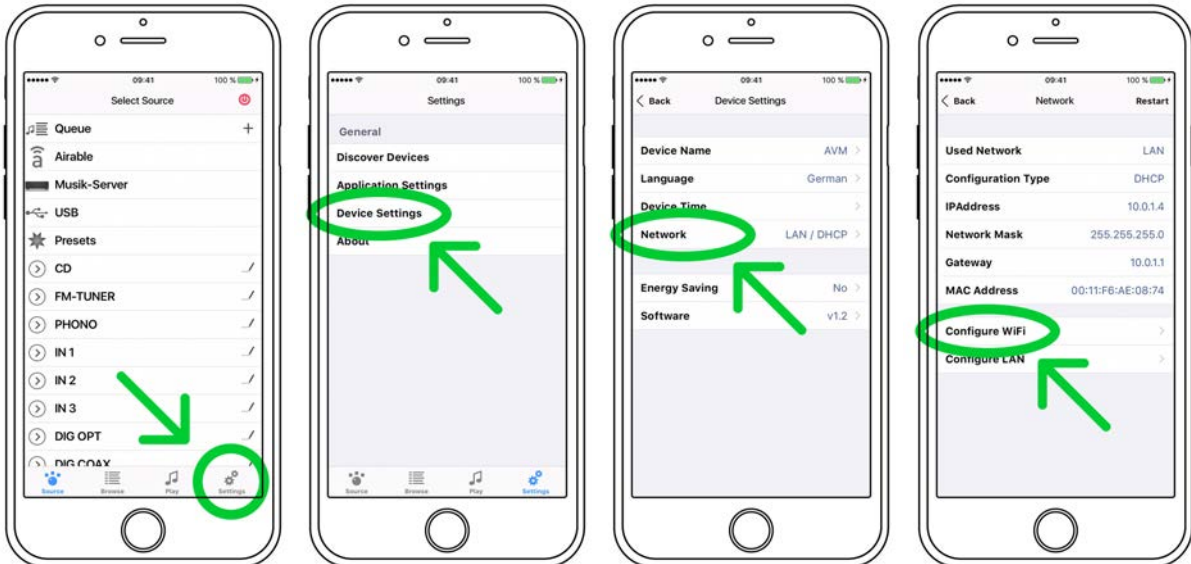
**CAUTION:** Before using the wireless functionality of the MP 6.2 an initial set-up of a wired ethernet connection (LAN) according to the steps described in section 1.9.1 is required.

- ✓ Please switch off the MP 6.2 on the rear side of the unit (35).
- ✓ Plug an ethernet cable from your local router into the network port of the MP 6.2 (31).
- ✓ Switch on the MP 6.2 on the rear side of the unit (35). Wait until the device has started and went into stand by mode. Now, switch it on with the power button on the front side (1).
- ✓ After a brief starting process your MP 6.2 automatically connects to your local home network and is ready to be operated via the [RC S App for iOS and Android](#).
- ✓ Launch the RC S App on your smartphone or tablet. The RC S App will now automatically search and list all available AVM devices in your local network with their respective device name and IP address (e.g. "192.168.xxx.x" or "10.0.1.4").

- ✓ Choose one of the available devices and wait until a connection is established between your RC S App and the MP 6.2 .



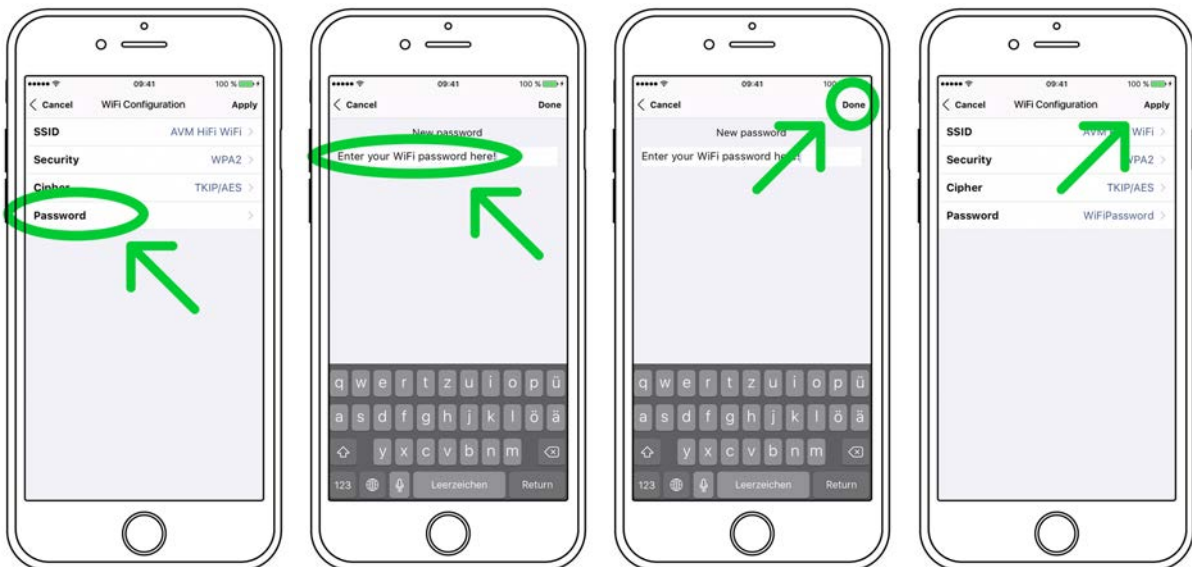
- ✓ Navigate to the **Settings** tab on the RC S App and choose **Device Settings / Network / Configure WiFi**.



- ✓ After you have selected the **SSID** menu option, you will be provided with a list of all available WiFi networks. Choose a WiFi network and select a respective **Security** and **Cipher** setting.



- ✓ Choose the menu option **Password** and enter your WiFi password. Confirm with **Done** at the upper right-hand corner. Now, confirm your WiFi settings with **Apply** at the upper right-hand corner.

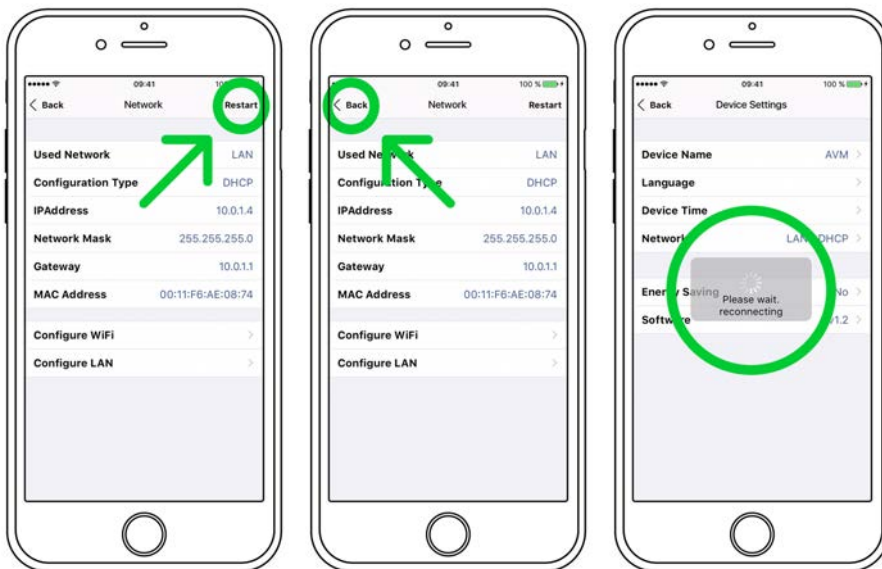


- ✓ Under **DHCP**, you will be asked if your MP 6.2 should obtain an IP address automatically (if yes, please make sure the **DHCP** option is activated). Now, confirm your choice with **Apply** at the upper right-hand corner.

**CAUTION:** Unless your local home network has been configured with static IP addresses, we highly recommend to activate the **DHCP** option, which is the most common use case.

- ✓ Now, choose **Restart** at the upper right-hand corner in order to restart the integrated MP 6.2 streaming module. Please make sure to not switch off the device while the device is restarting (which is happening under the hood without any indication on the integrated display). To activate the Restart process, please press **Back** at the upper right-hand corner of the RC S App.
- ✓ Remove the ethernet cable and wait until the indication **Please wait. Reconnecting** on the display of your smartphone or tablet running the RC S App has disappeared.
- ✓ The MP 6.2 is now connected with your wireless WiFi network.

**CAUTION:** When switching from a wired ethernet connection (LAN) to a wireless WiFi connection or vice versa, a restart of the integrated streaming module of your MP 6.2 is always required. Please follow the above instructions to restart the device via the RC S App.



## 1.10 Software updates

To get the most out of your AVM HiFi streaming system, please make sure you always keep the RC S App and the streaming software of your AVM device up-to-date. You can download the latest version of the RC S App in the [Apple App Store](#) or the [Google Play Store](#). To make sure your AVM device runs the latest version of the streaming software, please make sure the device is connected to the internet and follow the instructions below.

- ✓ **Streaming software update via the RC S App:** Navigate to the Settings tab and choose *Device Settings / Software / Check for Updates*.
- ✓ **Streaming software update via the RC 9 remote control:** Navigate to the *Receiver Settings* menu and choose *Software / Update*.

## 2 Basic operation

### 2.1 First operation / self test

In case the MP 6.2 was not connected to mains a self test will be performed when it is switched on by the mains switch (35) for the first time. The unit will check its configuration and that all the installed components work properly. The procedure is shown in the display. Afterwards the unit will switch to stand by.

### 2.2 Switching on / stand by

Using the button power (1) you can switch between on (operate) and stand by. When switched on, the display (10) lights up and the LED (7) is off. In stand by mode the display is off and the LED is on to indicate that the unit is still connected to mains.

**CAUTION:** When switched to stand by the unit is still connected to the mains. In case of a thunderstorm or if you leave the house for a longer time we recommend that you switch the amplifier off by using the mains switch (35) or pull the mains plug (34).

### 2.3 Display

When the unit is on, the display (9) shows information about the current settings and state of your Media Player. Apart from informations about the operating status (CD Player, Digital Input etc.) the lower line shows you currently active settings of the D/A converter: On the left-hand side the sample rate (e.g. "192") and bit depth is displayed. On the right-hand side you will find the current filter setting (**SMOOTH** or **STEEP**).

#### 2.3.1 Display in CD player mode

##### **TRACK**

On the left-hand side both the current title is displayed (big figures) and the total number of available tracks of the inserted CD (small figures).

##### **TIME**

At the centre of the display the total duration of an inserted CD is displayed, while stopped (**STOP**). As soon as the CD is played (**PLAY**) or paused (**PAUSE**), the time already elapsed of the current track is displayed.

##### **STATUS**

On the right-hand side the current operating status is displayed (**STOP, PLAY, PAUSE**).

## **PROG**

In case of a currently active track programming both the currently playing track and the total number of programmed tracks is displayed on the left-hand side (for example "PROG 2/17").

## **RND**

In case the random play mode is activated, the currently playing track and the total number of programmed tracks are displayed on the left-hand side (for example "RND 5/12").

### **2.3.2 Display in D/A converter mode**

On the left-hand side the name of the currently selected input is displayed. If there is no incoming signal available at the currently selected input, **NO DIG SIGNAL** or **NO USB PLUGGED** is shown right next to the input name.

## **2.4 CD Player**

### **2.4.1 Playable disc formats**

Your Media Player can play back all compact discs which are recorded according to the red book standard (means the standards for audio CDs established by Philips and Sony). Furthermore all CDRs and CDR/Ws with good reflection recorded according to this standard are playable. Most copy protected discs are also playable. But we cannot take responsibility that all future copy protection systems are playable.

### **2.4.2 Insert / eject**

#### **Insert a CD**

Your Media Player is provided with a slot-in CD drive (8). Insert the CD (coverside up) and push slightly. The drive will now automatically draw the disc inside. After that the player reads the TOC (table of contents) and shows it on the display. Most left is the number of the actual track followed by the total number of tracks on the CD (for example "1/17"). The middle of the display shows the total playing time of the CD.

**NOTE:** If there is still a CD inside or the unit is in stand by, the slot will be blocked. If the inserted disc is not readable (DVD, data-CD) the display will show **NO AUDIODISC**.

#### **Eject CD**

Press the **EJECT** button (15). Then the disc will be ejected. If no CD is inserted, the display shows **NO DISC**.

#### **AUTO PLAY**

If CD is not selected as source the unit will automatically change to CD from any other input as soon as a CD is inserted. If **AUTO PLAY** is activated (see 0), the CD player will start playing automatically every time a CD is inserted. If **AUTO PLAY** is deactivated, the CD player will read the TOC (table of contents) of the inserted disc and then go to **STOP** mode.

### 2.4.3 CD playback

If a disc is inside playing is started by pressing the **PLAY** button (12). If you press **PAUSE** (11) the unit will go into the pause mode until **PLAY** (12) or **STOP** (10) is pressed.

The actual state (**PLAY, PAUSE, STOP**) is shown on the display (8). Furthermore, the display shows the actual playing time, the actual title number and the total number of titles.

### 2.4.4 SKIP / SEARCH

Using the **SKIP** buttons (13, 14) you can easily access any title on the disc. When you press one of the **SKIP** buttons for longer than a second while the unit is playing, it begins to play in fast forward or reverse mode (**SEARCH**).

While the player is stopped, the **SKIP** buttons (13, 14) can be used to select a title. A short tip switches to the next / previous title. Holding one of the buttons down scans automatically up / down. The number of the actual title is shown in the display (**TRACK**).

### 2.4.5 Repeat

Press the **REPEAT** button (6) once to repeat the actual title, twice to repeat the whole CD or the programmed sequence. A third pressing returns to the normal playing mode. The repeat state is displayed in the upper line of the display (**RP ONE / RP ALL**).

### 2.4.6 Programing an individual playlist

If a disc is inside the player you can program your individual playing sequence as follows.

Press the **PROG** button (4) to enter the playlist menu. Pressing **STOP** (10) exits the menu and the unit will return to normal mode. Pressing **PAUSE** (11) generates a random playlist.

Pressing **PLAY** (12) leads you to the programming menu:

The display shows on the left side the actual title (**TRCK**), below the playing time of this title (**TIME**). Pressing the **Option** keys (2,3) selects a title.

Pressing **PLAY** (12) adds the selected title to the playlist. The display shows on the right side the number of programmed titles (**PGM-QTY xx**). Below the playing time of the programmed list (**P-TIME xx**).

The button **PROG** (4) stores the playlist, if you want to exit without storing, press **STOP** (10).

### 2.4.7 Programming an individual playlist (example)

The CD inside the player contains 15 titles. You want to play only titles 7, 3 and 8.

- Press **PROG** (4) and the **PLAY** (12). The display now shows "PGM-QTY 00" and "TRCK 1/15".
- Select title 7 using the **Option** keys (2,3). The display shows "TRCK 7/15".
- Now add the selected track to the playlist by pressing **PLAY** (12).
- Select title 3 using the **Option** keys (2,3). The display shows "TRCK 3/15".
- Now add the selected track to the playlist by pressing **PLAY** (12).
- Select title 8 using the **Option** keys (2,3). The display shows "TRCK 8/15".
- Now add the selected track to the playlist by pressing **PLAY** (12).
- Press **PROG** (4) to finish the programming and store the playlist.

**NOTE:** The maximum number of programmed tracks is 99. The maximum program duration is 99 minutes.

### Deleting an existing playlist

To delete an existing playlist, press **PROG** (4) and after that **STOP** (10).

### 2.4.8 Random

Press the **PROG** button (4) to enter the playlist menu and after that **PAUSE** (11). Now a random playlist will be generated. To delete a random playlist, press **PROG** (4) and after that **STOP** (10).

## 2.5 Selecting the signal

Besides the included CD drive the MP 6.2 is equipped with a wealth of digital inputs (20-27) which can be selected with the option keys (2,3) on the front side of the unit, until the desired source appears on the display. Other sources such as **Webradio**, **Podcasts**, **TIDAL**, **Music Server**, or **USB** can only be selected via the optional RC 9 remote control or the free [RC S App for iOS and Android](#).

**CAUTION:** If you switch to another source while playing a CD, the drive will stop first. This may take a few seconds. If you activate a digital input that has no valid signal, **NO DIG SIGNAL** or **NO USB PLUGGED** is shown on the display.

## 2.6 Volume setting

If the option **Gain variable** is activated in the **Personal Setup** menu (see 3.1.1), the playback volume of the MP 6.2 can be controlled in steps of 0,5 dB by holding down one of the option keys on the front side of the unit (2, 3) for more than one second. The current volume level is shown in the range of 0 to 100 dB in the upper part of the display.

**NOTE:** Please note that if the volume is changed using the optionally available RC 9 remote control, the level always increases / decreases in 2 dB steps.



## 2.7 Samplerate and filter setting

By pressing the **FILTER** button (5) once or several times you can choose between available sample rates and filter settings for a specified source (CD or digital input). The currently selected sample rate is displayed at the bottom left corner (44.1, 48, 88.2, 96, 176.4, 192, 352, 384 kHz). **NAT (NATIVE)** indicates that the incoming sample rate of the signal is being directly processed. **CONV (CONVERSION)** however indicates an ongoing upsampling process of the incoming signal to a desired sample rate.

Please note that only the settings **NAT / STEEP** or **NAT / SMOOTH** are available if **USB** is selected.

The digital filter settings **SMOOTH** and **STEEP** can be set according to your personal preference. Technically speaking, the setting **SHARP** indicates a steep filter characteristic at the upper end of the frequency band, leading both to a flat amplitude frequency response and a rather strong phase rotation. **SMOOTH** however leads to a less steep filter characteristic by showing a slightly earlier attenuation of the amplitude frequency response with almost no phase rotation.

Please note that a chosen filter setting is only true for a selected input and is being recalled every time you select the respective input again, even after the device has completely been switched off.

## 2.8 USB B digital input

If a digital signal from a computer (PC or Mac) is connected to the USB B digital input of your Media Player (22), you can choose between two different modes (**LO RES** or **HI RES**) by pressing the **PROG** button (4).

**LO RES** can be used to play back a digital input signal with a sample rate of up to 96kHz without the need for an additional audio driver on your Windows PC or Mac.

**HI RES** can be used to play back a digital input signal with a sample rate of up to 384kHz/24 Bit (PCM) without the need to install an audio driver on your Mac. If you are using a Windows PC you will need to install an additional driver which is available for download on the respective product page at [www.avm.audio](http://www.avm.audio).

Below the **LO RES** and **HI RES** indication, the currently active data format is shown on the display (**PCM** or **DSD**).

Please note that you need to select the **HI RES** mode in order to play back DSD64 or DSD128 files.

## 3 Advanced Settings

### 3.1 Personal Setup

The personal setup offers a range of settings to individualize the MP 6.2 according to your personal needs. To enter the **personal setup** menu, please switch off your device on the rear of the unit at the mains switch (35). Keep the **PROG** button pressed (4) while you switch on the unit again (35). As soon as the display shows the **personal setup** menu you can release the **PROG** button (4).

When the personal setup is active you can select the desired function using the option keys (2, 3). Use the **SKIP** buttons (13, 14) to apply changes to a selected function. **EXIT** exits the personal setup and stores the settings.

Depending on the currently selected sound source the personal setup menu offers a range of selected settings described in the following.

#### 3.1.1 Set volume control

##### Gain fix

If the **gain fix** option is activated, the signal of the selected sound source will be played back with a fixed volume level. This setting is particularly useful when the MP 6.2 is part of a surround sound setup where a separate surround decoder is used for bass and multi-channel management. If a surround system is connected to the MP 6.2, specific settings such as channel balance, tone settings and bass management are controlled by a separate decoder. These settings may not be altered by other components in order to maintain the balance of all channels. For this application, the MP 6.2 offers the **gain fix** function by passing through the signal with a fixed gain setting.

##### Gain variable

If the **gain variable** option is activated, the volume level of the selected sound source can be adjusted with the option keys (2, 3) on the front-side of the unit (see 2.6).

#### 3.1.2 set display brightness

Sets display brightness 25% to 100%.

**NOTE:** The setting 100% can lead to "burn in" effects on the display if the unit is operated in this setting for a very long time. In order to avoid such "burn in effects" please switch the unit to stand by, if not in use.

### 3.1.3 Set autoplay

When **AUTO PLAY** is activated, the CD player will start playing automatically every time a CD is inserted. IF **AUTO PLAY** is deactivated, the player will read the TOC (table of contents) of the inserted disc and then go to **STOP** mode.

### 3.1.4 skip unused inputs

Unused inputs can be deactivated (**SKIPPED**). The MP 6.2 will then skip these inputs when the source selectors (2, 3) are applied or if you select a sound source via the optionally available RC 9 remote control or the free [RC S App for iOS and Android](#).

### 3.1.5 define input names

You can individually set the names (max. 8 characters) of the different sources shown in the display. To adjust a name, proceed as follows:

Press one of the option keys (2, 3) to select an input. Press **REPEAT** (6) to select the position and use the **SKIP** buttons (13, 14) to define the character (holding the key pressed changes the character every half second).

### 3.1.6 Set IR control

In addition to control the MP 6.2 via the optionally available RC 9 remote control or the free [RC S App for iOS and Android](#), a range of essential functions can also be controlled via the classic RC 3 or RC 8 infrared remote controls. In order to receive a respective infrared signal of the RC 3 or RC 8, please make sure to activate the **set ir control** function (**ON**).

## 3.2 Reset (factory default settings)

The **Reset** menu cancels certain or all settings and makes the unit return to default settings.

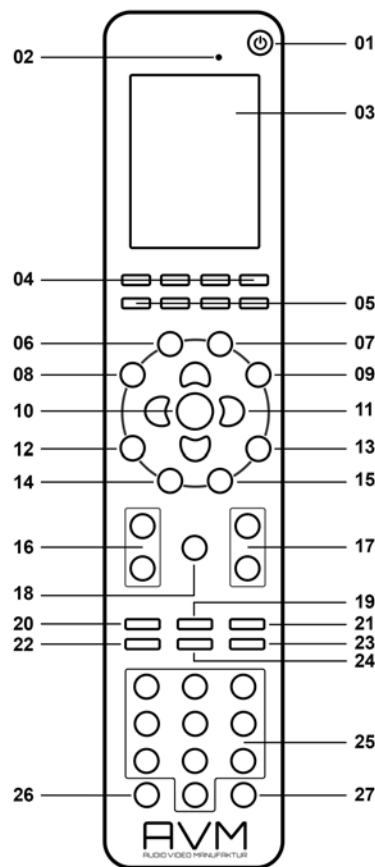
To enter the **Reset** menu, please switch off your device on the rear of the unit at the mains switch (35). Keep both the **REPEAT** button (6) and the **STOP** button (10) pressed while you switch on the unit again (35). As soon as the display shows the reset menu you can release both buttons (6, 10).

Select if you just want to clear the input names (**NAMES**) with the **PAUSE** button (11) or reset the unit completely (**ALL**) by pressing the **PLAY** button (12).

Pressing the **STOP** button (10) will bring the unit back to normal operating mode without resetting any item (**CANCEL**).

## 4 RC 9 Fernbedienung (optionally available)

### 4.1 Overview



- |    |   |    |                         |
|----|---|----|-------------------------|
| 1  | Power button (Standby mode)             | 15 | Favorites list          |
| 2  | Light sensor                            | 16 | Volume                  |
| 3  | Colour display                          | 17 | Increase/Decrease       |
| 4  | Hotkeys 1-4                             | 18 | Mute                    |
| 5  | Option keys (red, green, yellow, blue)  | 19 | Play                    |
| 6  | Home menu                               | 20 | Skip (backward)         |
| 7  | Zone menu                               | 21 | Skip (forward)          |
| 8  | Info menu                               | 22 | Record                  |
| 9  | Settings                                | 23 | Stop                    |
| 10 | Enter key                               | 24 | Pause                   |
| 11 | Navigation keys (left, right, up, down) | 25 | Alphanumeric input keys |
| 12 | Return key (quit, undo)                 | 26 | Shuffle                 |
| 13 | Favorites menu                          | 27 | Repeat                  |
| 14 | Context menu                            |    |                         |

**NOTE:** Before you can use your RC 9 remote control to switch on your device, both components need to be paired (for more information on the **Pairing** process please refer to section 4.7.5).

## 4.2 Activation and stand by mode

To switch on a connected device (see **Pairing** 4.7.5), please pick up your RC 9 remote control which automatically switches on due to the integrated movement sensor. Then, please choose one of the connected devices from the list and press the Enter button (10). Notes on the optional quick start function can be found in section 4.9.

## 4.3 Battery charge

In order to charge the included lithium-ion battery of your RC 9 remote control, please connect the power supply unit with the USB cable. On the other end, please connect the USB charging cable optionally with the RC 9 remote control or with the supplied docking station. The charge starts automatically, as soon as the power supply unit is connected to the power supply system and if necessary, the RC 9 remote control is placed in the charging cradle of the docking station.

**NOTE:** Due to the included motion sensor of the RC 9 remote control, the device may be unintentionally activated during transportation. For this reason, the RC 9 is delivered with a fully discharged battery. In view of a long lifecycle of the lithium-ion battery, we recommend fully charging the battery before using it for the first time. Please follow the above mentioned instructions and do not interrupt the charging procedure until the status bar in the upper right corner of the display indicates a fully charged battery.



Battery is fully charged, remote control is connected to the charger, charging completed



Battery is almost fully charged, remote control is connected to the charger



Battery is empty, remote control is not connected to the charger

## 4.4 Colour display

The colour display divided into three sections in any operating mode:

- 1 Header section: In the header section the current control area is shown (e.g. source, system, internet radio etc.). On the right-hand side is the charging status of the integrated lithium-ion battery (for an explanation of the charging status symbols please refer to the section above).
- 2 Content section: The content section is the central user interface of your RC 9 remote control where both menu points of the currently accessed control area and graphical user elements are being shown.
- 3 Footer section: In the upper part of the footer section you can both find the actual time and informatin on the current connection status. The lower part of the footer section is divided into four parts which can be assigned with so-called Hotkeys (please refer to sections 4.6 and 4.7.4 for detailed information on Hotkeys).

## 4.5 Entry of letters, numbers, and characters

To enter letters, numbers, or characters, please use the alphanumeric input keys (25) which have multiple letters, numbers, or characters assigned. By pressing one of the keys several times, switches through the row of available letters, numbers, or characters.

The left navigation key (11) is used to delete entered characters and numbers. The right navigation key (11) is used to insert a blank character. The blue option key (5) is used to toggle between upper and lower case characters. For special characters please press the "1" key of the Alphanumeric input keys (25) repeatedly.

## 4.6 Hotkeys

The four hotkeys (4) offer direct access to a total of four devices of a currently active zone. All four devices can be directly accessed from the lower part of the footer section. For details and an explanation of the term "zone" please refer to section 4.7.2.

## 4.7 System settings

To access the System Settings menu please press the Settings key (9). The following menu points can be selected via the four Navigation keys (11) and the Enter key (10): **Device Selection, Change Zone, System Information, User Settings, Start Pairing.**

### 4.7.1 Device selection

Under the menu **Device Selection** you can find all available and recently paired devices with their respective names. With the navigation keys (11) please choose one of the devices from the list and confirm with the Enter key (10). The menu point **Device Selection** is also shown when the RC 9 remote control is waking up from stand by mode and hasn't already been connected with a device.

**NOTE:** Please note that only one device can be controlled by the RC 9 remote control at a time. If you happen to choose another device, the connection to the formerly linked device will be interrupted.

### 4.7.2 Change zone

If you have multiple devices which can be controlled with the RC 9 remote control, you can group those devices into several zones such as different rooms or appliance combinations. The "Change Zone" option allows you to switch between different zones and is also available via the Zone menu (7). Each zone is provided with four assignable Hotkeys (4) for a direct access to its four associated devices (see 4.7.4 and 4.6).

### 4.7.3 System Information

The menu item **System Information** contains information on technical details of your RC 9 remote control such as the current firmware version, serial number and more. Furthermore, the firmware of the RC 9 remote control can be easily updated by pressing the red Option key (5). Please note that the RC 9 remote control needs a direct USB connection with a personal computer in order to conduct the update process.

### 4.7.4 User Settings

The menu item **Settings** offers a series of useful functions which can be accessed by pressing the Navigation keys (11), the Enter key (10) or the alphanumeric input keys (25).

**NOTE:** The left Navigation key (11) is used to delete entered characters and numbers. The blue Option key (5) is used to toggle between upper and lower case characters.

#### **Name**

This option allows you to customize the name of your RC 9 remote control.

#### **Time**

The option "Time" enables you to adjust the time settings of your RC 9 remote control. Hours and minutes are displayed in individual rows.

#### **Stand by**

The option **Stand by** allows you define the amount of time until your RC 9 remote control switches to stand-by mode. The preset value of 60 seconds can either be reduced to a minimum of 10 seconds or increased to a maximum of 300 seconds (= 5 minutes).

#### **Time in cradle**

If the option **Time in cradle** is enabled, the RC 9 remote control will display the current time on its colour display when placed in the cradle (included docking station). Please note that the **Time in cradle** option is not available when the RC 9 remote control is being charged via the USB cable.

#### **Brightness**

Choose between three different brightness levels of the colour display. All changes are applied immediately after selection.

#### **HKEY Configuration**

**HKEY Configuration** allows you to assign four different devices to the four available Hotkeys (4) of your RC remote control. This way, you can comfortably select up to four devices of a currently active zone with the touch a single button.

Please note that only one device can be controlled by the RC 9 remote control at a time. If you happen to choose another device from the Hotkeys menu, the connection to the formerly linked device will be interrupted.

### **Change language**

Choose one of the currently available languages of your RC 9 remote control: English, German, French, Italian, Spanish, Dutch. The RC 9 remote control will automatically change its language once selected.

### **Rename device**

The menu item **Rename Device** provides the option to rename a paired device by using the alphanumeric input and navigation keys (25) (11). Please note that the renaming applies only locally on the RC 9 remote control. If you happen to use the RC S App to control your AVM components as well, the respective name of the device may be changed again.

### **Delete Device**

The menu item **Delete Device** contains a list of all formerly paired devices. When chosen a device, this is deleted along with all known information. In order to add a deleted device again, please refer to section 4.7.5.

### **Add Zone**

The menu item **Add Zone** provides you with an option to create a new zone with an individual name. In order to assign a device to a certain zone, please return to System-Settings/User-Settings and chose the menu item **HKEY Configuration** (see above).

### **Rename Zone**

The menu item **Rename Zone** lists all known zones and provides the possibility to rename them (living room, kitchen, etc.) by using the alphanumeric input and navigation keys (25) (11).

### **Delete Zone**

The menu item **Delete Zone** provides a list of all existing zones and the possibility to delete these along with all known data.

### **Transportation lock**

The transportation lock deactivates the motion sensor and secures the RC 9 remote control against unintentional power-up and thus saves battery while moving. In order to activate the transportation lock please navigate to the menu item **Transportation lock** and press the Enter key (10). In order to deactivate the transportation lock again, please press any key on your RC 9 remote control.

## **4.7.5 Pairing**

In order to control a MP 6.2 with your RC 9 remote control, both devices need to be linked first. This process is also referred to as **Pairing**. In order to start the pairing process, please switch off your MP 6.2 by using the mains switch (35) on the rear side of the unit. Now please navigate to the **Systems Settings** menu on your RC 9 remote control by pressing the Settings key (9) and navigate to the menu item **Start Pairing** *without* selecting it with the Enter key yet. Switch on your MP 6.2 by using the mains switch on the rear side of the unit (35) and immediately press the Enter key of your RC 9 remote control (10). The name of a successfully detected device (such as your MP 6.2) will instantaneously be shown on the display of your RC 9 remote control and can be edited by using the alphanumeric input keys



(25). After confirming the name of the paired device, you can also choose one of four available Hotkeys (see 4.6). By pressing the Enter key (10) again, the pairing process is completed.

## 4.8 Source Menu

As soon as a connection between your RC 9 remote control and your MP 6.2 has been established (see section 4.7.5), the **Source Menu** offers a choice of available sound sources such as **Airable**, **Music Server**, **USB**, or a local source. The **Source Menu** can be accessed by pressing the Home menu key (9) on your RC 9 remote control. Additionally, the **Source Menu** also offers the **Receiver Settings** menu where system settings of the included streaming module can be edited (**Network**, **Software**, **Quick Start**, **Clock** etc.).

### 4.8.1 Queue (Playlists)

The **Cueue Menu** offers a range of useful features to create, edit, save and recall individual playlists which are named as **Queues** and may contain content from the following sources:

- **Airable / Podcasts**
- **Airable / TIDAL**
- **Music Server** (e.g. NAS)
- **My Files** (e.g. local music files on your smartphone or tablet)

**NOTE:** Please note that content from other sources such as **Airable / Radios** cannot be added to the **Queue menu**. Please use the **Favorites** (see 4.8.3 and 4.8.4) or **Presets** menus instead. Details on how to use the **Preset Menu** can be found in section 4.8.8.

### 4.8.2 Airable

Provided that your MP 6.2 has installed a current version of the streaming software (v1.2 or higher), **Airable** offers you a comprehensive set of first-class **webradio**, **podcasts**, and online music services. **Airable** also replaces the formerly installed webradio service **vTuner** and now includes optional access to **TIDAL** – a high-quality music streaming platform offering lossless CD sound quality. **TIDAL** offers a monthly subscription with a 30-day free trial. For more information on **TIDAL** and their lossless music streaming service, please visit [www.tidal.com](http://www.tidal.com). In order to make use of the optional **TIDAL** high-quality music streaming service, navigate to **Airable**, choose **TIDAL** and enter your login data from **TIDAL**.

**NOTE:** Please note that no further registration is required to listen to the included free offer of **Webradio** stations and **Podcasts**. Due to the implementation of the **Airable** online music services in the latest version of the host firmware, all features and functions of the formerly included **vTuner** webradio service will no longer be supported. In case you currently use the **vTuners** 'Favorites' feature for example, you need to create a new 'Favorites' list by using the optionally available RC 9 remote control or [RC S App for iOS and Android](#). Details on how to update the streaming software of your MP 6.2 to the latest version can be found in section 1.10

### 4.8.3 Radio (Webradio)

**Airable / Radio** offers you a broad variety of freely available webradio stations (internetradio). You can choose from a large number of subcategories such as **Local Stations** or **High Quality** which can be selected by using the Navigation keys (11) of the RC 9 remote control. As soon as you have chosen a desired radio station, just press the Enter key (10) to start the stream. To search for a certain radio station, use the integrated search and filter functions. For an even more direct access to your favorite webradios or whole directories of webradio stations, use the **Favorites** menu which can be found at the top of the **Airable / Radios** menu.

**NOTE:** Please note that there are two separate **Favorites** menus available for **Radios** and **Podcasts** each (see section 4.8.4). Both directories may be added to the **Presets Menu** to make them even more accessible via the **Source Menu**. Details on how to set up the **Presets Menu** can be found in section 4.8.8.

### 4.8.4 Podcasts

**Airable / Podcasts** offers you a broad variety of freely available podcasts. You can choose from a large number of subcategories which can be selected by using the Navigation keys (11) of the RC 9 remote control. As soon as you have chosen a desired podcast program, just press the Enter key (10) to start the stream. To search for a certain podcast, use the integrated search and filter functions. For an even more direct access to your favorite podcasts or whole podcast directories, use the **Favorites** menu which can be found at the top of the **Airable / Podcasts** menu.

**NOTE:** Please note that there are two separate **Favorites** menus available for **Podcasts** and **Radios** (see section 4.8.3). Both directories may be added to the **Presets Menu** to make them even more accessible via the **Source Menu**. Details on how to set up the **Presets Menu** can be found in section 4.8.8.

### 4.8.5 TIDAL

**TIDAL** is an innovative music streaming platform offering high-fidelity CD sound quality, expertly curated content, and unique artists experiences for registered subscribers. **TIDAL** offers a monthly subscription with a 30-day free trial. For more information on **TIDAL** and their lossless music streaming service, please visit [www.tidal.com](http://www.tidal.com).

In order to make use of the optional **TIDAL** high-quality music streaming service, navigate to **Airable**, choose **TIDAL** and enter your TIDAL login data from **TIDAL**.

In addition to explore the virtually inexhaustible **TIDAL** catalogue with hundreds of playlists and more, you can use the integrated search and filter functions and add your own playlists including your favorite **artists**, **albums** and **tracks** to the **My Music** menu. Furthermore, all features of the **Queue Menus** (see 4.8.1) and **Presets Menus** (see 4.8.8) are at your disposal.

## TIDAL Favorites

**TIDAL** also provides you with an option to add its catalogue content to an individual **Favorites Menu**. However, please note that contrary to the **Airable / Radios** and **Airable / Podcasts** Menues (see sections 4.8.3 and 4.8.4), your **TIDAL** Favorites are stored directly within the **Airable / TIDAL / My Music** section. Individual titles are added to **Airable / TIDAL / My Music / Tracks**. Albums, artists, ore playlists are added to **Airable / TIDAL / My Music / Albums, Artists, or Playlists**.

### 4.8.6 Music Server

**Music Server** gives you access to the audio content of all DLNA/UPnP home devices such as NAS drives (NAS = network attached storage) in your local home network. In case of doubt while setting up your DLNA/UpnP-enabled media or music server, please consult the documentation of your network devices (such as a router etc.) or ask your local dealer or network admin.

By using the **Favorites key** (13) of the RC 9 remote control you can assign your favorite titles to the **Favorites** list which can be accessed via the **Favorites List key** (15). By pressing the **Info key** (8) you get immediate access to the currently playing track which can be controlled with the keys 19-24 (**Play, Pause, Skip, Stop** etc.).

### 4.8.7 USB

**USB** offers you the option to access the audio content of a connected USB storage device (hard drive, USB stick/jump drive) which can be plugged-in at the rear of the unit by using the **USB input** (29) marked as **STICK / HDD**. Please note that teh response time while browsing through the directories of a connected USB drive can vary depending on its storage capacity and type (mechanic HDD vs. flash-based SSD).

### 4.8.8 Presets

The Preset Menu provides direct access to your favorite and frequently used contents of the following sources:

- **Airable / Radios**
- **Airable / Podcasts**
- **Airable / TIDAL**
- **Music Server** (e.g. NAS drive in your local home network)

In other words, the **Presets Menu** provides with a convenient "bookmark function" to individually choosen webradio stations, Podcasts, TIDAL content or local titles from your NAS drive, smartphone or tablet.

## 4.9 Receiver Settings

The menu item **Receiver Settings** offers a series of useful options to configure your MP 6.2 (**Network settings, Software Updates, Quick Start Function, Time** etc.).

### 4.9.1 Network

By selecting the menu item **Network Status** you get access to a number of current information on an established network connection such as Connection Type, IP Address, Subnet Mask, Gateway IP.

By selecting the menu item **Wlan Status** you get access to a number of current information on an established wireless connection such as Signal Quality, WiFi channel, and Encryption type.

By selecting the menu item **MAC-Address**, the current MAC Address of your MP 6.2 is being displayed. This name is used as a reference for other computers located in the same network (UPnP).

The menu item **IP Settings** offers you the choice between an automatically assigned IP address (**Automatic (DHCP)**) or a manual IP address (**Manual input**). Unless you are an expert with a good understanding of local network protocols, we strongly recommend to choose the **Automatic (DHCP)** option. When in doubt, please consult your local dealer who can help you to set up your network configuration.

The menu item **Wlan Settings** provides a list of all available wireless networks (SSIDs) which can be accessed with the navigation keys (11) and selected by pressing the Enter key (10). After entering the password and selecting an IP configuration mode (**Automatic (DHCP)** or **Manual input**) your MP 6.2 is connected to the selected WiFi network.

The selection of the menu item **Network restart** both resets all network options and restarts the streaming module of your MP 6.2 which can take up to approximately 30 seconds.

**NOTE:** When changing from **LAN** to **WLAN** or vice-versa an internal restart of the included streaming module is mandatory. Please make sure to keep the MP 6.2 switched-on and don't disconnect the unit from the mains during the restart.

**NOTE:** By activating the **Quick Start** function of the unit, the network processor of your MP 6.2 is permanently activated which leads to faster start up times of the streaming functionalities such as Airable or Music Server. Please note that an activation of the **Quick Start** function also leads to a slightly higher power consumption.

### Software

By selecting the **Software** menu item both the current software version of the MP 6.2 network module and the release date of the software is displayed. By selecting the **Update** option, a software update can be installed via Internet or from a connected **USB** drive.

To install an update from a USB drive, please consult your local dealer. In order to install the update online, please choose **Internet**.

### **Clock**

The menu item **Clock** gives you access to the clock settings. In case of an existing internet connection both the MP 6.2 and the RC 9 remote control receive their time from a NTP server (Network Time Protocol for clock synchronization).

## **5 Appendix**

### **5.1 Cleaning**

Use a soft cloth and normal glass cleansing fluid. **CAUTION:** Make sure that no fluid comes into the unit. Do not use scouring cleaners. They may damage the surface.

### **5.2 Troubleshooting**

Some putative defects are often caused by mistakes in operation. Sometimes other units connected to the amplifier can cause problems. We therefore kindly ask you to read the following tips before consulting your dealer or us.

#### **1. No playback**

- a) Mute function is active, press button MUTE on your remote control or increase the volume using the rotary encoder (11).
- b) Inadvertent switching to stand by. Press power button (1). If the LED indicator and display do not light up a fuse can be blown due to overvoltage (e.g. in case of a thunderstorm etc.). Please contact your dealer.

#### **4. RC 9 remote control doesn't work**

- a) Charge the included lithium-ion battery of the optionally available RC 9 remote control (see section 4.3).
- b) Point with the remote control transmitter directly to the unit.
- c) Reconnect the RC 9 remote control with your MP 6.2. This process is also referred to as **Pairing**. In order to start the pairing process, please follow the instructions as described in section 4.7.5.

#### **5. The display shows „no disc“ although a CD is inserted**

- a) Please make sure the CD is not a data disc, has not been damaged and is inserted with the correct side facing up
- b) Please clean your CD with a soft cleaning cloth.

### 5.3 Conditions of warranty (EC only)

If despite expectations a defect occurs that cannot be repaired by yourself or your dealer, we undertake the repair of your unit free of charge for up to three years from date of purchase. The warranty covers the costs of material and working time, transport costs are to be borne by the owner.

Provisions for this warranty are:

- The unit must have been purchased from an authorised dealer. Equipment from other sources will not be repaired, not even at charge.
- The warranty registration card, together with a copy of the bill of sale, must be received by us within four weeks of the date of purchase.
- The defect must not have been caused by improper handling or misuse.
- Return the unit to us only in its original packing. If this is not possible we are entitled to refuse acceptance. We will not assume responsibility for transport damage under any circumstances.
- A short description of the defect is to be included with the returned unit.
- In cases of doubt we reserve the right to request a copy of the bill of sale.
- We also reserve the right to levy a handling charge for items returned without good or valid reason, or if the unit proves to be not defective.

**NOTE:** If you are returning the unit from a country other than Germany you should ensure that correct export documents are obtained. We cannot accept any charges for costs arising from improper or incomplete export documentation.

If you have purchased your unit from a dealer outside Germany please refer to him or the relevant importing firm to process the warranty.

## 6 Technical Data

### 6.1 Digital input

|                              |   |
|------------------------------|---|
| Samplerate                   | upsampling /downsampling switchable<br>up to 384 kHz / 32 Bit |
| Frequency response           | <20 Hz – 80 kHz   |
| Deemphasis                   | yes, automatic  |
| Input format DIG IN opt/coax | SPDIF, 33 kHz – 96 / 192 kHz / 16 – 24 Bit                    |
| USB input                    | Asynchronous, galvanically isolated                           |
| PCM (without driver)         | up to 96 kHz / 24 Bit   |
| PCM (without driver)         | up to 384 kHz / 32 Bit  |
| DSD (with driver)            | DSD64 (2, 8 MHz) and DSD128 (5,6 MHz)                         |

### 6.2 CD-Player

|                       |   |
|-----------------------|---|
| CD formats            | CD Audio, CDR<br>(according to Red-Book-Standard) |
| Frequency response CD | <20 Hz – 20 kHz                                   |

### 6.3 Analogue out

|                       |               |
|-----------------------|---------------|
| Output voltage        | 2,5 V         |
| Frequency response    | 0Hz - >80 kHz |
| Crosstalk attenuation | >120 dB       |
| Signal-to-noise ratio | >110 dB       |
| THD                   | <0,001%       |

### 6.4 Streaming capabilities

|                   |  |
|-------------------|--|
| Streaming-Formate | MP3, WMA, AAC, OGG Vorbis,<br>FLAC (384/23 via LAN),<br>WAV (384/23 via LAN),<br>AIFF (384/23 via LAN),<br>ALAC (384/24 via LAN) |
|-------------------|--|

|                        |  |
|------------------------|--|
| Supported media server | UPnP, 1.1, UPnP-AV and DLNA compatible server, Microsoft Windows Media, Connect Server (WMDRM 10), DLNA compatible Server: NAS |
| Streaming Services     | Airable, TIDAL   |

#### 6.4.1 Other

|                        |   |
|------------------------|---|
| Supply voltage         | 100 - 240 VAC, 50/60 Hz, typ. 15 W<br>Enhanced stand-by mode <5 W |
| Dimensions (W x H x D) | 430 mm x 130 mm x 370 mm  |
| Weight                 | 11 kg (depending on configuration)                                |

#### **NOTE: Energy consumption in stand by mode**

In order to control your MP 6.2 with the optional RC S remote control or the free [RC S App for iOS and Android](#), the integrated streaming module of the device always remains ready for operation even in standby mode. Please note that this results in a higher energy consumption of about 5,5 VA (instead of 0,5 VA). In order to save this energy, the device needs to be switched off on the rear side of the unit (34) after going into standby mode.

Changes reserved without notice.  
07/07/2016