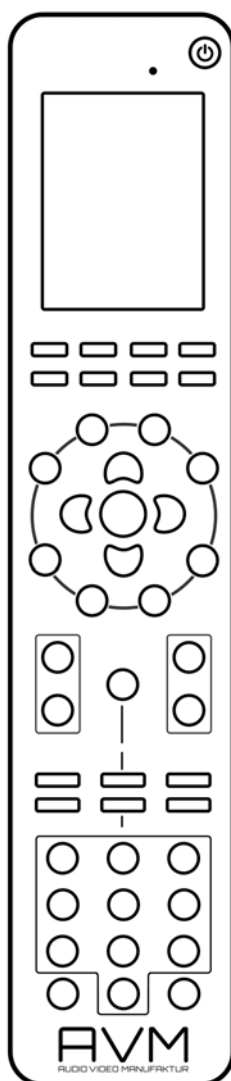**Operating instructions**

RC 9 remote control

AVM
AUDIOPHILE MASTERPIECES

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

$C\epsilon$

the necessary measurements were taken with positive results.

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1 What's in the box?

- **RC 9 remote control**
- **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.
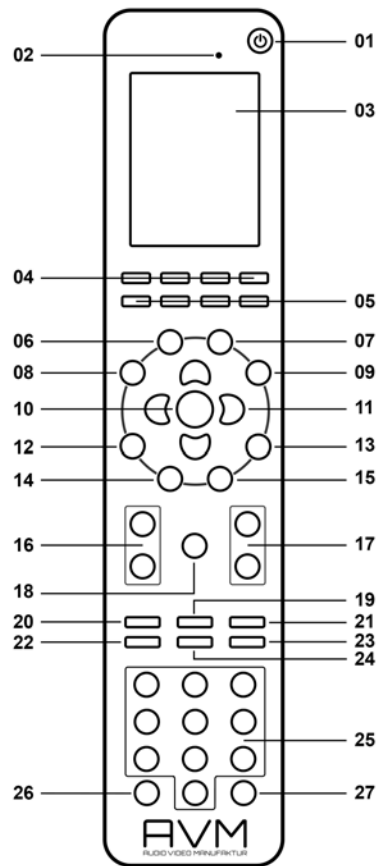
2 Getting started

2.1 Setup

The RC 9 remote control allows for easy and comprehensive control of all AVM components with integrated HiFi streaming capabilities and provides a variety of intuitive features to get the most out of your network-enabled AVM HiFi device. Before you can use the RC 9 together with your AVM device, both components need to be linked first. This process is also referred to as **Pairing**. In order to start the pairing process, please follow the instructions as described in section 2.8.5.

To get the most out of your AVM HiFi streaming system, please make sure you always keep the streaming software of your AVM device up-to-date. To make sure your AVM device runs the latest version of the streaming software, conect your device to the internet and navigate on your RC 9 remote control to *Receiver Settings* menu and choose *Software / Update*.

2.2 Overview

1	Power button (Standby mode)
2	Light sensor
3	Colour display
4	Hotkeys 1-4
5	Option keys (red, green, yellow, blue)
6	Home menu
7	Zone menu
8	Info menu
9	Settings
10	Enter key
11	Navigation keys (left, right, up, down)
12	Return key (quit, undo)
13	Favorites menu
14	Context menu

15	Favorites list
16	Volume
17	Increase/Decrease
18	Mute
19	Play
20	Skip (backward)
21	Skip (forward)
22	Record
23	Stop
24	Pause
25	Alphanumeric input keys
26	Shuffle
27	Repeat

2.3   Activation and standby-mode

To switch on a connected device (see section 2.8.5), 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 2.10.

2.4   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 unintentioanally 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

2.5   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 statuss. The lower part of the footer section is divided into four parts which can be assigned with so-called Hotkeys (please refer to sections 2.7 and 2.8.4 for detailed information on Hotkeys).

2.6   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 instert 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.

2.7   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 2.8.2

2.8   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**.

2.8.1   Device selection

Under the menu **Device Selection** you can find all available and recently paired devices with their respective names. Wih 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.

2.8.2   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 section 2.8.4 and 2.7).

2.8.3 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.

2.8.4 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 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 mininum 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 locallly 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 2.8.5.

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.

2.8.5   Pairing

In order to control a AVM device 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 AVM device by using the mains switch (34) 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 AVM device by using the mains switch (33) on the rear side of the unit and immediately press the Enter key of your RC 9 remote control (10). The name of a succesfully detected device (such as your AVM device) 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 section 2.7). By pressing the Enter key (10) again, the pairing process is completed.

2.9 Source Menu

As soon as a connection between your RC 9 remote control and your AVM device has been established (see section 2.8.5), 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.).

2.9.1 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 sections 2.9.3 and 2.9.4) or **Presets** menus instead. Details on how to use the **Preset Menu** can be found in section 2.9.8.

2.9.2 Airable

Provided that your AVM device 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. In order to make use of the optional **TIDAL** high-quality music streaming sevice, 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

RC 9 remote control or [RC S App for iOS and Android](#). Details on how to update the streaming software of your AVM device to the latest version can be found in section 2.1.

2.9.3 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 acces 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 2.9.4). 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 2.9.8.

2.9.4 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 acces 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 2.9.3). 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 2.9.8.

2.9.5 TIDAL

TIDAL is an innovative music streaming platform offering high-fidelity CD sound quality, expertly curated content, and unique artists experiences for registered suscribers. **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.

In order to make use of the optional **TIDAL** high-quality music streaming sevice, 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 section 2.9.1) and **Preset Menues** (see section 2.9.8) 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 2.9.2 and 2.9.4), your **TIDAL** Favorites are stored directly within the **Airable / TIDAL / My Music** section. Individual titles are added to **Airable / TIDAL / My Music / <u>Tracks</u>**. Albums, artists, ore playlists are added to **Airable / TIDAL / My Music / <u>Albums,</u> <u>Artists,</u> or <u>Playlists.</u>**

2.9.6 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.).

2.9.7 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** (23) 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).

2.9.8 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.

2.10 Receiver Settings

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

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 Adress, 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-Adress**, the current MAC Adrress of your AVM device 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 AVM device 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 AVM device 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 AVM device 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 AVM device 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 AVM device network module and the release date of the software is displayed. By selecting the **Update** option, a softare 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 AVM device and the RC 9 remote control receive their time from a NTP server (Network Time Protocol for clock synchonization).