English user manual

Re:system
M100

basis

REVOX

Dominating Entertainment.
Revox of Switzerland.

Welcome

The world and your life are changing permanently. With the M100 basis, you can build the system up to match your requirements. You begin with the starter version and then simply build new modules into the system as your requirements change. You just choose those technologies (modules) that you actually need. In this way, you can develop your system from an elegant audiophile system right up to a Multiroom central unit for your house or apartment.

This product innovation from Revox stands out as a true system for life, thanks to its legendary robustness and longevity, which the brand is known for throughout the world.

The M100 basis is prepared for the future. New technologies can be added very simply to your M100 using the tried-and-tested Revox modularity.

The M100 is a perfect high-tech device. You are not limited to just operating it with the remote control. It can also be operated very simply using KNX Domestic building control systems, LAN, WLAN, Windows telephone or even an iPhone.

Your life with the M100 will become significantly easier thanks to its multiple control options. This is guaranteed by a consistent, simple and intuitive operating philosophy.

Setup

Please check the unit and accessories after unpacking, to ensure that everything is there and that there are no signs of transit damage. Read the operation manual through carefully before starting to use the unit. Keep the manual for later reference.

A unit that shows signs of mechanical damage or which has had liquid in it should not be connected to the mains supply.

Only use the supplied mains cable. The unit's power supply and connections values (mains voltage, frequency) must be checked before connecting it to the mains. Fuses used in the device must comply with the factory definitions in the "Technical Data" section.

Safety

Take note of the label on the back of the unit.

In order to avoid the risk of an electric shock, do not remove any covers. Maintenance and repairs should only be carried out by qualified experts.
Risk of dangerous laser and electro-magnetic emissions if opened.

Scope of delivery

- M100 basis (1x)
- M100 Remote control (1x)
  incl. type CR2025 batteries
- Power cable (1x)
- Aerial cable (1x)
- HDMI cable (screened)
- Quick-Reference-Guide
- CD – *User Manual M100**

* Contains all user manuals of the M100 and its modules (English/ German), available as PDF file. PDF reader is required.

Installation

- Please follow the instructions in the Operating manual supplied.

  Do not position the device close to strong heat sources or in direct sunlight.

- If installing in a cabinet or closed shelves, allow at least 5 cm (2 in.) of free space around the device, so that the air can circulate freely and that there is no build up of heat. Do not cover the fan and openings at the back of the unit.

- This device conforms to protection class 2. This means that the unit is only connected to the mains power socket through two contacts (phase and neutral) and has no ground. For this reason, the unit must pass a strict insulation test. This guarantees that even if the neutral line is broken, no accessible part of the unit is under voltage. The M100 is equipped with this protection class in order to effectively eliminate sound-damaging ground-loops.

- The power plug should removed from the socket during longer periods of non-use, for instance during an absence.

- Unplug the unit from the mains during storms. Voltage peaks through the mains power supply caused by lightning strikes can damage the unit.

- There must be easy access to the power plug so that the unit can be unplugged at all times.

- Lay the power cable such that it cannot be damaged. The power cable should not have kinks or by laid over sharp edges. It should not be walked on or be exposed to any chemicals. The last point is valid for the whole unit. A power cable with damaged insulation can lead to electric shocks and represents a fire hazard.

- Ensure that the ventilation is not impeded by covering the ventilation openings with items such as newspapers, table-cloth, curtains, etc.

- Use the apparatus only in moderate climates (not in tropical climates).

- Never pull on the cable when plugging the unit in or out. Always hold the plug.

- Take note of and follow the safety advice on the following pages.

Safety measures

Read and take note of the following safety advice for your own safety and to avoid unnecessary damage to your equipment. Please keep this safety advice in a safe place for future reference.

Avoid locating the unit in a position which:
- is exposed to direct sunlight
- is directly next to a source of heat
- has poor ventilation
- has a dusty atmosphere
- is unstable
- has high humidity

The guarantee covers intended usage of the device.

High build-ups of dust and humidity cause creepage current in the device that can cause a risk of shocks when touching the unit or lead to a fire.
If you have moved the unit from a cold to a warm environment, leave it switched off for about two hours because of a possible build up of condensation dampness.

You should always switch your M100 off before connecting or disconnecting other devices or speakers.

Protect your device from:
- Damp, dripping water and splash water, steam.
- Knocks and mechanical loads.
- Magnetic and electrical fields
- Cold, heat, direct rays of the sun and severe changes of temperature
- Dust
- Access to the inside of the device
- Do not stand any articles with open flames, e.g. lit candles on the device

Attention Batteries of Remote control
- Take attention to the environmental aspects of battery disposal.

- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

- Caution: Replace lithium batteries Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

- Both batteries should always be exchanged at the same time.

- Take note of the disposal hints within the chapters *Remote control* and *Appendix*.

Safety measures

Caution
In order to avoid the risk of an electric shock, do not remove any covers. Maintenance and repairs should only be carried out by qualified experts.

Volume
Loud music can cause hearing damage. Avoid extremes of volume, particularly over longer periods of time and if you are wearing headphones.

Supervision
Do not allow children to handle the equipment without supervision. Do not allow children in close proximity to the equipment. Do not operate the M100 without supervision. Switch the power switch off or unplug the equipment if you are going to be absent for a longer period of time.

Cleaning
The device should be cleaned using just a damp, soft and clean cloth without any abrasive cleaning agents.

Regulations pertaining to the unit

In EU and EEC countries, Revox offers a guarantee on units bought in the EU, over and above the statutory rights of guarantee claims against the seller. The guarantee covers material and labour during the period of the guarantee, which is defined by the Revox Sales Partners in the individual countries that make up the EU.

In all countries, the guarantee services offered by the Revox Sales Agent are over and above the statutory regulations. They are only valid in the country of purchase. Proof of purchase from an authorised Revox Partner must be produced to make a claim on the guarantee.

The guarantee is made null and void in the case of incorrect intervention measures or non-professionally executed repairs.

Fuse
The M100 is equipped with a primary power fuse. The power fuse should only be checked or replaced after the power cable has been unplugged. Check the fuse specification on the unit label before inserting the new fuse.

If the new fuse also blows after switching the device back on, there is probably an underlying error that must be checked out by a specialist. In this case, please contact your nearest Revox Service Point.

M100 basis connection panel

Please take note of the connection information on the following pages.

Right loudspeaker output

Subwoofer output (line level)

Analog inputs (line level)

Ventilation openings - keep free

Left loudspeaker output

Right Speaker

REVOX

Left Speaker

Phones

Antenna

FM-75 Ω

Analog Out

Subwoofer

Analog In

Aux 1   Aux 2

Coaxial 1   Optical 1   Optical 2

Coaxial 2   S-Video   Video

Digital inputs [optical]

Digital inputs [coaxial]

Video output DVD [CVBS/ FBAS]

Video output DVD [VHS]

Headphone (≥ 8 Ohm)

Antenna Input (FM)

HDMI output DVD (AV)

HDMI-Out

CE

CAUTION
RISK OF ELECTRIC SHOCK
CLASS 1 LASER PRODUCT

Serial No: 12345
Fuse: T2,5 AL 250V
Power: 230V • 450W • 50Hz

Multi Channel Link (Audio)

USB Link (control)

Fuse

M-Link™   M-Link™   MR-Option   USB   MCH-Link

On / Off   Fuse   AC-Power

Made in Germany
Revox GmbH, Am Krebsgraben 15 D-78048 VS-Villingen, Germany

Power switch

Fuse holder

Mains socket [Class 2]

M-Link® (2x)

Universal Multiroom socket (see sub-modules)

Ventilation openings - keep free

First contact

Various connections have to be made before setting up your M100 for the first time.

Speakers & M100 outputs
Use cables with sufficient cross section profile to connect your speakers to the M100.

The Revox recommendation:
Length 0 - 5 metres: min. 2.5 mm^2
Length 5 - 10 metres: min. 4.0 mm^2

Each speaker must have an impedance of at least 4Ω. You must ensure that all the cable strands are located correctly in the speaker connection terminal and that no individual strand is touching another connector or has contact with the M100 housing.
Fully insulated banana plugs (pin plugs) provide an elegant solution for speaker connections.
In this case, remove the black and red plastic stoppers from the 4 mm retainer on the screw connectors. The screw connectors must be fully tightened to ensure a secure contact.

Ensure correct polarity when connecting the cables in order to ensure perfect stage sound reproduction. Crossed polarity doesn't cause any damage to the speaker or the M100, but it leads to an imprecise and somewhat diffused sound picture that is lacking in bass depth.

Power cable
Only use the power cable supplied by Revox. You must also ensure that voltage value printed next to the power cable connection on the M100 matches the available mains voltage. If required, the M100 can be reconfigured for a different mains voltage. This should however only be done by an authorised specialist dealer.

Headphones
There is a headphone connection on the lefthand side of the rear panel. All standard headphones with a 3.5 mm stereo jack plug and an impedance of at least 8 ohms can be used.

The headphone connection is activated in the ⌊Sound⌋ menu through the *Phones* touch key. At the same time, the M100 output is muted.

M100 connections

Name	Function
AC Power	Power cable connection (class 2 without earthing connection) The voltage definition [V~] on the unit label must be adhered to.
Analog In (Aux 1+2)	Analog audio inputs, max. input voltage: 2.0 V pp
Analog Out (Subwoofer)	Analog audio output for active subwoofer ⓘ Pilot signal for subwoofer wakeup is available in the amplifier setup
Antenna *FM-75 Ω*	Antenna input for FM tuner. Ideal antenna voltage: 50-60 dBuV
Coaxial (1+2)	Digital audio inputs through coaxial cable
Fuse	Power fuse - micro-fuse, slow acting [T] The current (amperage) [A] shown on the unit label must be adhered to.
HDMI-Out	DVD player HDMI video output: Resolution up to 1080p
M-Link	Connection for products from the Re:connect and Re:control ranges*, e.g. M217 Display, M202 Ethernet interface, etc.
MC-Link	Multi-channel link for later use
MR Option	Multiroom (MR) socket for optional M100 sub-module MR1+1*-Module: MR output MR Slave*: MR input
On/ Off	Power switch - no power consumption when in off position Please note: If the power cable is connected, certain internal switching areas are live, even if the switch is in the off position!
Optical (1+2)	Digital audio inputs through fibre optic - TOSLink
Phones	3.5 mm headphones input / Headphone impedance: < 8Ω ⓘ: Headphone output is activated in the Sound menu
Speaker (Right + Left)	Speaker connection / Impedance: At least 4Ω Please take note of the polarity
USB	USB-B input for control through Revox service programs or for software updates
S-Video	Analogue video output(VHS) of the M100 DVD-Players
Video	Analogue video output(CVBS/ FBAS) of the M100 DVD-Player

* not supplied with the M100 basis

M100 basis front operating panel

Touch keys A - D

DVD/ CD feed slot

Proximity sensor

Display panel

Touch keys E - H

REVOX

A

B

C

D

E

F

G

H

Status LED

Brightness sensor

Infrared sensor

Power   Timer   Menu   Sound   Source   Disc

−   +

Re:system M100
modular audio video system

On/ Off touch key
incl. Zones-/ System Off

short : Timer menu
long : Setup menu

touch key Menu

Touch slider for
Volume and Selection

Touch key Sound

Touch key Source selection

Touch key Disc eject
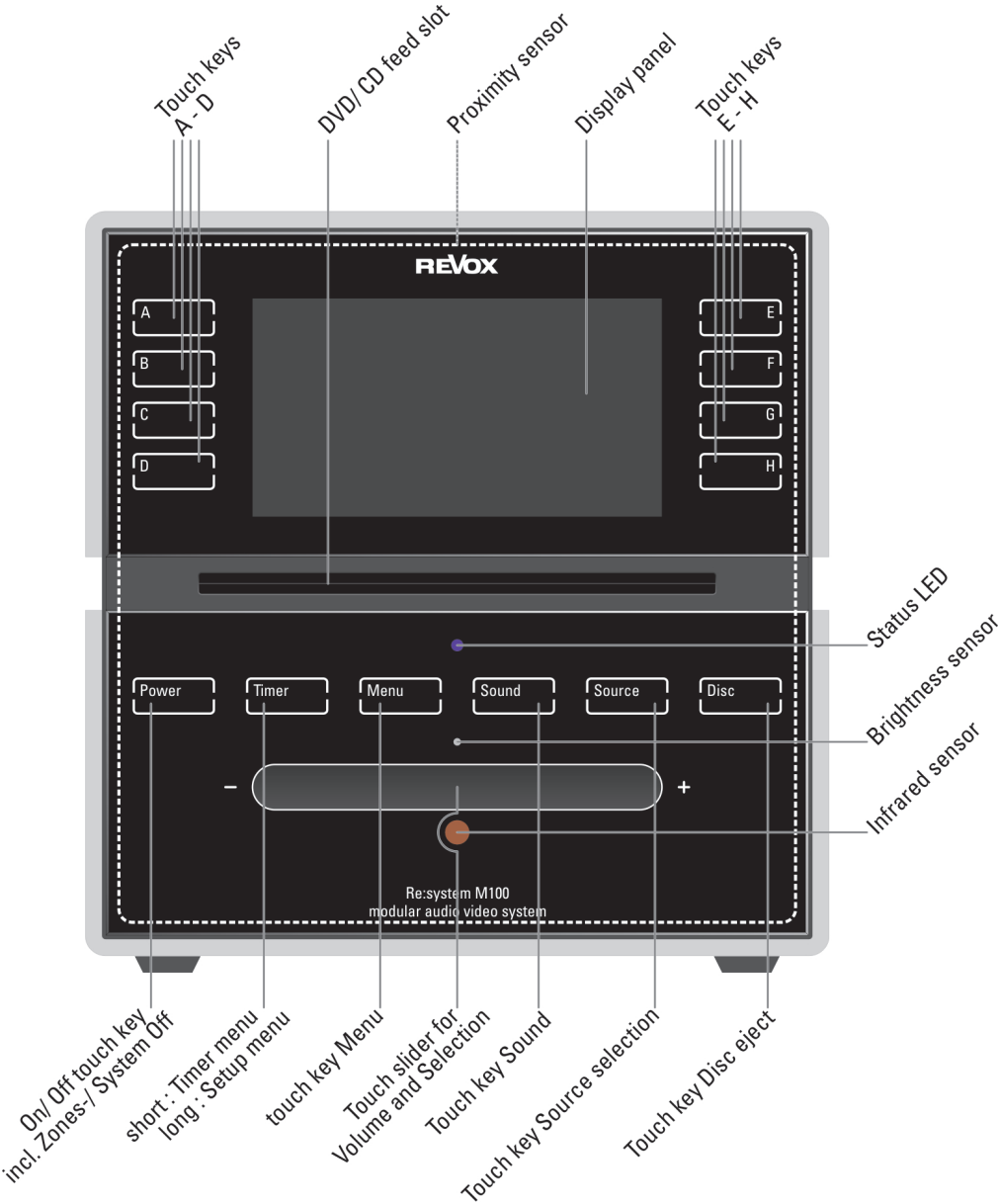
M100 basis front operating panel

Touch keys *A-H*
The touch keys in the upper part of the M100 glass panel are variable function keys. Their function varies from menu to menu and is always displayed next to the corresponding touch key.

Touch key *Power*
The M100 is switched on and off with a **short** touch on the ⌷Power⌷ key.

Special functions on Multiroom operation

2 second operation (Multiroom)
Zone 1 and the M100 itself are switched off.

2 second operation (Slave)
The zone where the M100 is located and the M100 itself are switched off.

5 second operation
The complete Multiroom system and the M100 itself are switched off.

ⓘ
The 6 large touch keys on the front of the M100 are shown as follows in the following chapters:
⌷Power⌷ ⌷Timer⌷ ⌷Menu⌷ ⌷Sound⌷ ⌷Source⌷ ⌷Disc⌷
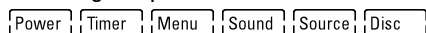
Touch key *Timer** (*Setup*)
In Multiroom operation, you call the M100 wakeup function with a **short** touch on the ⌷Timer⌷ key.

A **long** touch on the key (< 2 secs.) takes you to the M100 Setup menu, where all the necessary basic settings can be made.

If neither a Multiroom module (mr 1+1 or multiroom 03) nor a Slave module is installed in the M100, the following display appears if the ⌷Timer⌷ key is pressed:
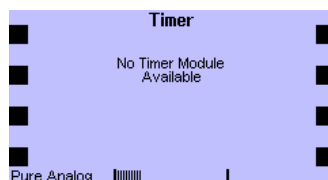
Touch key *Menu*
Calling source-specific menus. In the case of the Tuner source, the radio stations are displayed, for example.

Touch key *Sound*
Sound settings such as bass and treble levels can be made through this menu. You can also activate the headphones output here.

*The timer function is only available if a Multiroom (sub)-module is installed.

Touch key *Source*

All the sources available in the M100 are displayed in this menu. Frequently used sources are shown on the first page. Less frequently used sources are shown on further pages that can be accessed through the **More** touch key.

Touch key *Disc*

Ejects the disk currently in the drive.

Touch slider

In order to adjust the volume, just slide your finger along the groove in the touch slider. Additionally, all selection menus that don't have their own touch keys are operated through the touch slider, e.g. the *Edit Name* function for modifying source names.

DVD/CD feed slot

The M100 has a high-quality DVD drive with slot-loader function, i.e. it pulls the disk in automatically as soon as it is inserted more than 3 cm into the feed slot.

Proximity sensor

Using the proximity sensor that monitors the whole of the front of the unit, the M100 can detect someone approaching and display or make available the most frequently used sources, without the device having to be touched.

Display panel

As well as the source-specific content, the M100 graphical display also shows you the functions of the A - H touch keys.

You can define the properties as you want them in the M100 *Display* Setup.

Remote control

The M100 remote control is already programmed for the Revox world. It can also be programmed for a wide range of televisions from many different manufacturers through a 3 digit code. In this case the most important base functions for the corresponding television are predefined, **whereby the volume control, even at the TV level, always operates the Revox devices.** In many cases, the television volume control is assigned to the *Right/ Left* navigation keys. The M100 remote control does not represent a full-function replacement for the original television remote control. You will find a complete description of the programming in the *TV Programming* chapter.

The code table for the most commonly used models and brands is included in the *Appendix* to this manual.
The complete list can be downloaded free-of-charge from the Download area of the Revox web site www.revox.com..

Caution: Lithium batteries
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Changing the battery   CR 2025

If the batteries in the remote control get weaker, as indicated by a shorter operational range, they can be replaced easily. To do this, remove the battery compartment cover on the back of the remote control and ease the batteries out using the tip of ballpoint pen at the positions shown in red. Insert the new batteries making sure that the polarity is correct. Both batteries should always be exchanged at the same time.

Rear view: M100 Remote control

Replacement batteries: **2 x CR 2025 / 3V**

Disposal of the batteries

The batteries supplied with the remote control do not contain any harmful substances such as cadmium, lead or mercury. Discharged batteries may not be disposed of with the normal household rubbish. You can dispose of old batteries free of charge at corresponding collection points found in many shops. You will also find a container for old batteries at your specialist dealer.

Function display through LEDs

M100 Mode:
The LED behind the "Revox OFF" key lights up red each time a key is pressed when selecting the Radio, DVD, Music, TV, Video, Aux 2, Aux 3 or Local source.

TV Mode:
The LED behind the "Power TV" key lights up green each time a key is pressed when the TV source is selected.

The LED lights up as long as a key is pressed and/or when an IR code is used. (except in programming mode)

Remote control

short touch: switch off Re:system devices — Revox OFF   Power TV — Switch on Television
2 sec. touch: switch off Zone 1   ① TV command: key is green illuminated
5 sec. touch: switch off all Zones
① Revox command: key is red illuminated

Switch on through source selection or 🔊+

Numbers and characters

Toggle aspect ration

Show DVD menu

Leaf menu / cancel   Show menu

acknowledge/ agree/ select   Navigation

Information   Call video text

Exit video text

Audio settings / Option "red"   Call Bonus part / Option "blue"
Show Popup menu / Option "green"   Show subtitle / Option "yellow"
                                                                         Sound selection

Volume control   Up- / down selection of progam / title
Device in standby mode: switch on with 🔊+

Mute on/ off

Play   Pause
Record   Stop
                                                                   Scan forward/ backward
Track backward   Track forward

Source "Radio" (Remote button: Tuner)   Source* "TV" (Remote button: TV)
Source "DVD" (Remote button: DVD)   incl. control of external TVs
                                                                   Source "Music" (Remote button: Aux/Server)
Source "Video" (Remote button: Video1)   Source "Local" (Remote button: Local)
Source "Auxiliary 2" (Remote button: Aux2)   Source Auxiliary 3" (Remote button: Aux3)

ReVOX
RC M100

* Freely programmable TV key
  It can be programmed for a wide
  range of televisions from many different
  manufacturers through a 3 digit code.

TV programming
Programming by model number

- Press the *TV* and *OK* keys on the remote control for at least 3 seconds, until the green LED flashes twice.

- Select and enter a 3 digit TV code corresponding to your television brand from the code list.

- The green LED flashes twice to confirm the code input.

- If an invalid 3 digit code has been entered, the LED lights up for 3 seconds to indicate an error and the remote control returns to the original mode.

- If your television doesn't react or reacts incorrectly, repeat the programming and enter the next 3 digit code from the list.

- If none of the defined codes controls your television, use the automatic code search option. See *Automatic search*.

If no key is pressed for 10 seconds during programming, the remote control automatically returns to the original mode.

Search with manufacturer number

- Switch your television on.

- Press the *TV* and *OK* keys on the remote control for at least 3 seconds, until the green LED flashes twice.

- Enter the code **0 0 3**. The green LED flashes twice to confirm the input.

- Enter the three digit manufacturer number from the manufacturer list (see Appendix). The LED flashes twice to confirm the input.

- Press and hold the Power TV until the television switches itself off.

- Then release the key immediately and press the OK key, in order to save the selected television code. The LED lights up every 1.5 seconds while the search is being made.

- If a 3 digit code is not recognised, the green LED lights up for 3 seconds and the remote control is reset to the normal state. (error display)

- If your television brand (manufacturer) is not in the code list, indicated by the remote control flashing 5 times at the end of the list, use the automatic search function.

Automatic search

- Switch your television on.

- Press the *TV* and *OK* keys on the remote control for at least 3 seconds, until the green LED flashes twice.

- Enter the code **0 0 1**. The green LED flashes twice to confirm the input.

- Press and hold the *Power TV* until the television switches itself off. (This can take up to 15 minutes).

- Once it has switched off, release the *Power TV* key immediately and press the *OK* key, in order to save the selected television code.

- The green LED lights up every 1.5 seconds while the search is being made.

If the *Power TV* key is not released in time after the television switches off, the television has to be switched back on manually.

ⓘ
The last 5 codes can be called again with the navigation key ♦. You can return to search mode with the navigation key ♠.

- Once the correct code has been found, this has to be confirmed with the OK key.

- After searching is completed, the remote control returns to its original status.

The remote control flashes 5 times at the end of the list.

If no key is pressed for 10 seconds during programming, the remote control automatically returns to the original mode.

Reading out the code

Reading out an already programmed remote control (code).

- Press the *TV* and *OK* keys on the remote control for at least 3 seconds, until the green LED flashes twice.

- Enter the code **0 0 2**. The green LED flashes twice to confirm the input.

- The *1* key has to be pressed to search for the first digit in the programmed code. The LED starts to flash, e.g. with the code 3 5 6, it flashes three times (3x).

- The *2* key has to be pressed to search for the second digit in the programmed code. The LED starts to flash, e.g. with the code 3 5 6, it flashes five times (5x).

- The *3* key has to be pressed to search for the third digit in the programmed code. The LED starts to flash, e.g. with the code 3 5 6, it flashes six times (6x).

- If the digit has the value 0, the LED doesn't flash.

If no key is pressed for 10 seconds during programming, the remote control automatically returns to the original mode.

Reset

- Press the *TV* and *OK* keys on the remote control for at least 3 seconds, until the green LED flashes twice.

- Enter the code **0 0 0**.

- The green LED flashes twice to confirm the input.

- The remote control is now reset to its original state.

The television mode now has no function (no code is programmed).

M100 operation

With the M100, you can look forward to a new era in equipment operation. In standby mode, the elegant glass front is simply black. As soon as the M100's proximity sensor (see picture below) recognises that a hand or another object is approaching, it increases the background lighting and the Welcome menu appears.
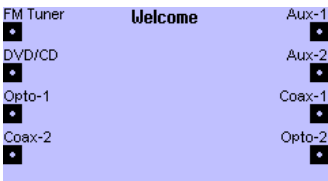
Switch on through the Welcome menu

Now, you have 5 seconds to choose whether to select the required source for the menu in the display or whether to switch the M100 on with the ⌷Power⌷ touch key, thereby choosing the last selected source. If no choice is made, the M100 reduces the background lighting again and goes back into standby mode.

Switch on through the Power touch key

The touch key only has to be touched lightly to trigger the function. The key dims briefly to confirm the operation. The touch keys are not subject to wear and for years to come, they will react the same way they did on day one. This does away with the calibration that would otherwise be necessary.

M100 front panel proximity sensor

Start

After you have switched on the M100, the first thing you should do is to carry out the basic settings as described in the Configuration chapter.

Normal operation can follow once all the settings have been made.

If a source which has its own menu is selected at switch-on, e.g. Tuner, DVD or a module source (ext.), this menu is displayed. You will find further information about Tuner and DVD operation in the next chapter.

The picture below shows the menu in DVD mode.

DVD menu
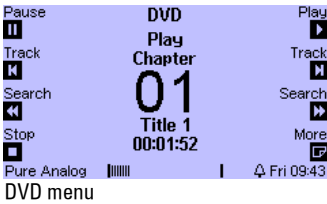
If a source which doesn't have its own menu is selected, e.g. the analog or digital inputs, the M100 displays the Source menu.
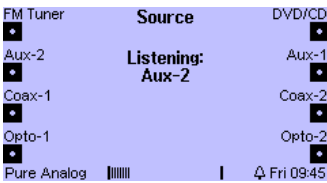
Volume setting

You can adjust the volume easily and quickly with the touch slider. Just slide your finger along the groove in the touch slider. Sliding in the direction of the **+** increases the volume. Sliding in the direction of the **-** lowers the volume.
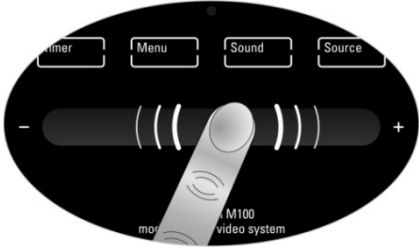
In other menus, e.g. when the names of audio inputs can be changed, the input is also done through the touch slider.

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If you can make an input through the touch slider in any of the following chapters, this is indicated by the following symbol:

Sound settings

You access the menu where you can make your personal sound settings through the ⌈Sound⌋ touch key.

Here, you can increase or lower the treble and bass settings in the range of ± 12dB. Outside the neutral mid-range setting of the sound controller, you leave the ultra-linear amplifier path ("Pure Analog") and switch into DSP mode. This is indicated in the bottom left display field through the display DSP Stereo.

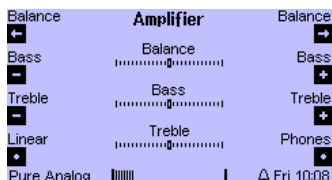By pressing the **Linear** touch key, you can restore the neutral mid-range setting with a single key press, which deactivates the sound controller again. The **Linear** touch key has no influence on the balance controller.

The **Balance** (the level ratio between the left and right speaker channels) can also be adjusted to the installation requirements through the Sound menu.

Headphone operation

There is a headphone connection on the lefthand side of the rear panel. All standard headphones with 3.5 mm stereo jack plug and an impedance of at least 8 ohms can be used.

Switching between speaker and headphone operation is done through the Sound menu. Press the ⌈Sound⌋ touch key and then select **Phones**. The output is now switched off and the headphone amplifier is activated. At the same time, the touch key display changes from **Phones** to **Speakers**. A headphone icon also appears in the lower display panel.
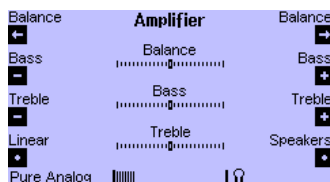
Volume is controlled through the touch slider. A special feature of the M100 is that it offers separate sound control for the headphones, i.e. you can have different sound settings for speaker operation than for headphone operation. The corresponding settings are stored automatically.

You can return to speaker operation again through the **Speakers** touch key.

Tuner operation

Select the tuner (*FM Tuner*) through the touch keys in the source menu.

The first time the Tuner is set up, the Setup menu appears with the following display:
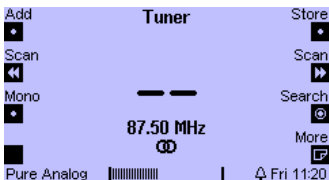
Here you can now search for, select and store radio stations. You will find a complete description in the *Configuration* section of chapter *Basic settings - FM Tuner basis*

If the Tuner has already been set up and stations have been stored, the following display appears after activating FM Tuner:

Select station position

The positions of the individual stations are selected by simply pressing the touch key of the corresponding station. If more than 6 stations are stored, these are shown on further station pages.

As there can be up to 48 stations can be stored, there can be a maximum of 8 pages. You can scroll through the individual pages with the **More** and **Back** touch keys in the Tuner menu. Scrolling forwards from the last page, brings you back to the first page with stations 1 to 6.

RDS function

The integrated tuner is equipped with RDS identification. As well as transmitting audio signals, many radio stations also send their station name as well as radio text in some cases.

Some stations also play radio text in the field for the RDS name. This is perfectly normal and is not an error in the tuner.

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RDS = Radio Data System

DVD/CD operation

Select the DVD menu through the DVD touch key. This is where the different discs are actually controlled. You can find out which formats are supported by the M100 drive on the last Appendix page, in the Chapter Technical Data.

Video DVDs are available in some shops that do not comply with the industry standards. You can experience picture, sound or other playback problems with such DVDs. The same is also true for "burned" CDs or DVDs that do not correspond to the standardised format.

ⓘ
CD-R = CD-Recordable
A CD that can be written to once

CD-RW = CD-Rewritable
A CD that can be written to more than once

Inserting a disc

The M100 has a high-quality DVD drive with slot-loader function, i.e. it pulls the disk in automatically as soon as it is inserted more than 3 cm into the feed slot. When inserting the disc, make sure that it is introduced to the slot horizontally.

You can playback both standard 12 cm diameter CDs and 8 cm diameter mini CDs.

Ejecting a disc

There are two ways of ejecting a disc that is in the M100 drive:

1. With the ⌊Disc⌋ touch key on the M100 front operating panel.

2. Through the DVD menu. In this case, press the **Disc** touch key.

Make sure that the disc is held in a horizontal position when withdrawing it, until it has left the feed-in area, as otherwise, the surface of the disc can get scratched.

DVD menu

The following display appears in the DVD menu:

During DVD operation, the chapter, title and the current playing time are displayed.

When replaying a CD, the track number and the current and total playing time are displayed.

If no disc is inserted, this is indicated by the following display.
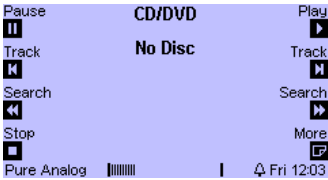
Starting playback

DVD/CD playback is started with the **Play▶** touch key.

Continue playback

The M100 has a function that allows you to start playing a CD/DVD again, at the same position it was at when you last interrupted or stopped it. This memory function is only available if the "Last Memory " option is activated or switched on in the DVD Setup*.

ⓘ

If you want to start the playback from the beginning again even though the memory function is activated, you can cancel it by pressing the Stop touch key twice.

* Call Setup through the remote control/ Button 🗐 ⇨ *General Setup Page/ Last Memory /* **On**

Track scroll with ◄ Track ►

Using the two touch keys **Track ◄◄►►** you can scroll to the previous and next CD track or DVD chapter respectively.

Example

You are currently listening to track 4 on your CD and you would like to hear track

3 again. To do this, press Track ◄ twice.

The first press of Track ◄ takes you to the start of track 4; the second press of

Track ◄ take you to the start of track 3.
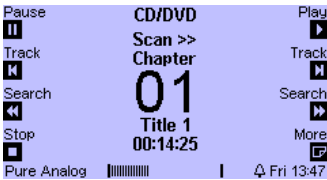
Interrupt playback with Pause ‖

If you want to interrupt playback for a moment, just press the **Pause** touch key. Pressing the **Play** or **Pause** touch key again cancels the pause and restarts playback.

Search function ◄◄►►

If you want to find a particular position within a track or a chapter, you can do this with the **Search** function. Searching can be done at four different speeds (2x, 4x, 8x or 32x).

The first time you press the **Search** touch key, playback is started at double speed. The sound is muted. If you want to speed up the search, press the **Search** touch key again. The search speed is shown in the screen menu. The M100 display itself shows the following:

Once you have reached the position you were looking for, just press the **Play** touch key to resume normal playback speed.

Repeat function in general

The **Repeat** function allows you to repeat an individual track or a complete disc when playing CDs.

> **Repeat Track**
> **Repeat Disc**
> **Repeat deactivated**

With DVD playback, you can choose between three different repeat types. These are chapter, title or the complete DVD.

> **Repeat Chap.**
> **Repeat Title**
> **Repeat Disc**
> **Repeat deactivated**

The Repeat function is found on the second page of the CD/DVD menu.

Repeat function A-B

The **Repeat A-B** function can be used to playback a specified time period on a CD/DVD in an endless loop.

> **Repeat A-**
> **Repeat A-B**
> **Repeat A-B deactivated**

The start of the loop is defined when the **Repeat A-B** touch key is pressed the first time. Repeat A- appears in the display. The end of the loop is defined by a further pressing of the **Repeat A-B** touch key. Playback of the defined block starts immediately.
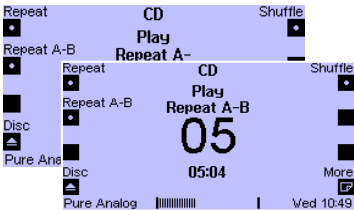
Pressing the **Repeat A-B** touch key switches the unit back to normal playback.

Shuffle

The Shuffle function is used to playback CDs or DVDs in a random order.
The **Shuffle** command is found on the second page of the CD/DVD menu.

Shuffle can either be called in **Stop** or **Play** mode. In **Play** mode, random playback is started immediately.

.

Stop playback ■

The **Stop** touch key halts all actions in the DVD menu and stops the DVD/CD playback.

With **CD** playback, the system displays the total running time of the CD and the number of tracks when in Stop mode.

With **DVD** playback, the system displays the total running time of the DVD title when in Stop mode.

Setup menu

The Setup menu offers all basic setting options that are not needed every day, such as brightness adjustment or source name editing.

The M100 Setup is called by pressing and holding the [Timer] touch key on the M100 basis for approximately 2 seconds.
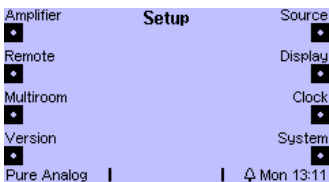
Here you will find all the setting options that the M100 basis and its modules offer.

In the basic version of the M100 (without modules and/or internal sub-modules), the Setup is broken down over the following sub-menus:
- Amplifier
- Display
- Remote
- Version
- Source
- System

Amplifier menu

Through the Amplifier menu, you can make all the basic settings to adjust your Revox speakers to match your installation environment and the M100, in the best possible way.

In order to be able to offer you this unique innovation, Revox has evaluated all the current Re:sound speakers, recorded their characteristics under studio conditions and entered the data into the amplifier characteristic curve. As well as the audio-physical parameters, the performance range of the speaker is taken into account and if required, the maximum output power is limited - see the "Limiter function" description. This guarantees that your speaker is only subjected to the power that it can handle both mechanically and thermally, even when the unit is at full load.

Three steps to perfection

1. Select the speaker

Using the two **Speaker Type** touch keys, select the Revox speaker type that you want to deploy with the M100. You can scan through the current Revox models in an endless loop. Needless to say, future models will be made available to choose through a software update.

If your speaker is not in the list, use the Speaker Type: **Any/ Unknown**
A linear amplifier characteristic curve is used in this case.

2. Select the location

The location of your speakers significantly influences the playback quality, particular in the bass range. With the **Speaker Placement** touch keys, the Amplifier menu offers you three positional versions:

▪ **No Adjustment**
Your speakers are standing freely in the space: ➡ studio conditions

▪ **Close to a wall**
Your speakers are standing less than 0.5 metres away from a wall. The slightly increased bass reproduction that this causes is compensated for so that a neutral playback is achieved, in spite of the proximity to the wall.

▪ **In the corner(s)**
At least one of your pair of speakers is standing less than 0.5 metres from a corner. The greatly increased bass reproduction that this causes is compensated for so that a neutral playback is achieved, in spite of the proximity to the corner.

3. Adjust the subwoofer

Through the third menu item, you define with the **Subwoofer** touch key whether an active subwoofer with its own output is connected to the M100.

▪ **Off**
By selecting the setting **Off**, you define that no bass signal is output through the "*Analog Out - Subwoofer*" cinch socket. The bass range is output exclusively through the two main speakers.

▪ **On**
By selecting the setting **On**, you define that the bass signal is output through the cinch socket to the active subwoofer. At the same time, this bass signal is removed from the main speakers, thereby relieving them of the bass reproduction. The signal is split by a linear-phase, time-compensated filter.
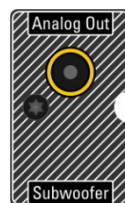
▪ On + Pilot

The **On+Pilot** setting allows you to use a unique comfort function developed by Revox, that ensures that subwoofers with auto-functions are turned on even with low-volume music.

The background

Many subwoofers are equipped with automatic signal recognition that should wake the subwoofer from standby when there is a signal on its input. Unfortunately with many models, this automatic function only kicks in at higher levels. The subwoofer remains switched off with low-volume music with correspondingly low levels.

Revox solution

The M100 Pilot function solves this switch-on problem by overlaying the low-frequency subwoofer signal with a 10 kHz signal with a higher level. This high pilot signal has no effect on the bass reproduction as it is filtered out reliably by the low-pass filter ahead of the output. The signal recognition auto function however does recognise the high pilot signal, ensuring that the subwoofer is switched on consistently, even at lower bass levels.

Limiter function

The output power of the M100 output is corrected or limited, dependent on the selected speaker.

The limiter function restricts the over 2 x 200 watt impulse power accordingly with smaller speakers, so that they are not damaged. The limiter works silently in the background, making discrete adjustments as required.

Whenever the Limiter function is active, a corresponding ⬜L icon appears in the lower display area - see picture below.

ⓘ
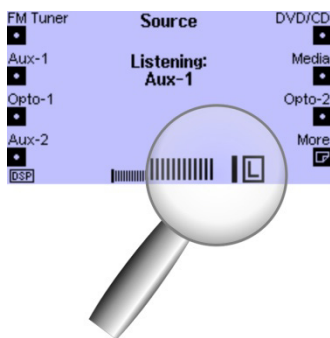
With the Speaker type setting: **Any/ Unknown** the speaker-specific limiter is disabled. Only the general M100 protective functions or those of the connected speaker are active.

Display menu

In the Display Setup, the M100 offers the user modification options for the display settings and the sensors (infrared and proximity).

Press the **Display** touch key in the Setup menu. The following menu appears immediately:
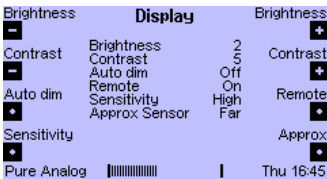
Display brightness

The brightness of the display and the background lighting for the touch keys can be adjusted with the **Brightness +/-** touch keys in three levels **1-3**. There is also the **Auto** setting, which gives the option of an automatic adjustment of the brightness through the integrated brightness sensor. The brightness is increased in lighter environments and decreased in darker ones.

The lowest brightness level is **1**, the highest is **3**. The current brightness setting is shown in the inner display area.

Display contrast

The display contrast can be adjusted over nine levels using the **Contrast +/-** touch keys.

The lowest brightness level is **1**, the highest is **9**. The current brightness setting is shown in the inner display area.

The factory contrast setting is 5. Depending on the placement of the M100, it may be that a different setting would give you a better optical result.

Automatic dimming

You can set an automatic dimming function for the display with the **Auto dim** touch key, which operates if no input is made for a longer time.
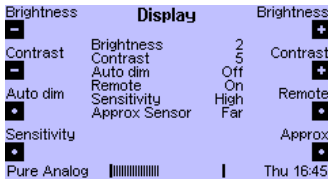
Repeated pressing of the **Auto dim** touch key toggles between the **Off** and **On** state. The current setting is shown in the inner display area.

IR Receiver

The IR receiver integrated in the M100 for the remote control can be switched off with the **Remote** touch key. This is recommended if you want to control your M100 equipment through the external M204 IR eye, as otherwise there can be conflicts caused by duplicated IR commands being received.

Repeated pressing of the **Remote** touch key toggles between the **Off** and **On** state.

There is no change to the function of external IR receivers such as the M204 and they remain active even after the M100 receiver is disabled.

Touch key sensitivity

You can adjust the sensitivity of the touch keys through the Sensitivity touch key. Choosing the **High** setting means that the keys are particularly sensitive. Just the lightest touch is then enough to trigger the key. With the **Low** setting, they are correspondingly less sensitive.

Proximity sensor

There are two different sensitivity levels for the M100 proximity sensor (**Far** / **Near**).

Repeated pressing of the **Approx** touch key toggles between the **Far** and **Near** state.

With the **Far** setting, the M100 reacts already at distances of up to 5 cm (2 in.). With the setting **Near** on the other hand, it is only triggered at distances of less than 2.5 cm (1 in.).

Source menu

In the Source menu, you can modify the basic settings for the M100 module or source that you have just selected through the Source menu.

Example:

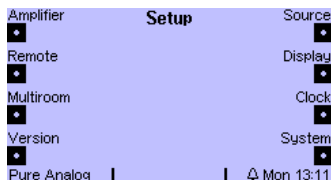You want to change the basic settings for the DVD player. First select the DVD as the source from the Source menu and then press and hold the [Timer] key for about 2 seconds. By pressing the **Source** touch key, you can now access the DVD Setup and make your settings.

Setup description: M100 basis

You will find the description of the Setup menus for the sources that are integrated in the M100 basis (DVD, internal tuner, analogue and digital audio inputs) in this manual, in the second half of the *Configuration* chapter.

Setup description: External (sub)-modules

The description of the Setup menus for all the M100 external modules, e.g. Multimedia or Multiroom module and integrated sub-modules, e.g. 1+1 Multiroom or Slave sub-module is to be found in the individual module operating manuals.

Remote menu

The modularity of the M100 requires a flexible usage of operating units, as the M100 can be equipped with a wide range of (sub)-modules. One operating unit can for example, be the wall-mounted keypad *M218* or the iPhone App *M232*.

The **Remote** function offers the option of being able to flexibly modify the source selection for the installed modules to the operating unit.
This means that the Tuner (Remote Button) key on the M218 wall-mounted keypad always sends the same source variable over the Multiroom module to the M100. Only once the assignment has been made through the M100 Remote menu, is the decision made as to which physically present source the Tuner key calls and/or controls. So, for example, with one installation, the Tuner key calls the FM tuner on the tuner module while with another, it calls the Internet radio on the Multimedia module.

In general, you can say that variables defined through the Remote menu (Remote button: Tuner, AUX1, etc.) are assigned to actual sources, (Source: FM tuner, Server module, Multimedia module, etc.).

Zone-dependant Remote menu

The Revox Multiroom system has 4 Multiroom zones where different music can be heard, independently of each other.

The M100 makes it possible for example, to locate 2 Tuner modules on the module carrier that can both be programmed independently of each other. Through the zone-dependent Remote menu, it is now possible that in Multiroom operation, the Tuner key can call and control the first module in Zones 1+2 while in Zones 3+4, the Tuner key calls and controls the second Multimedia module.
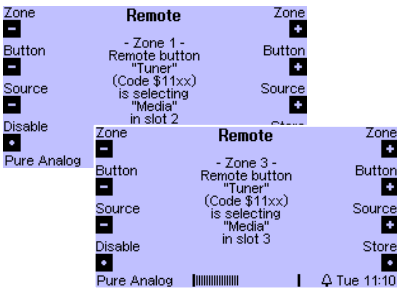
This means that the M100 recognises which zone the variable *Tuner* was sent from and knows, from the assignment made through the Remote menu (in the above example in slot 2 or 3), which source should be addressed.

The Remote menu settings are explained in the following chapter.

Calling Remote

Press the **Remote** touch key in the Setup menu.

As shown in the following graphic, the Remote menu is divided into the areas:
- Zone
- Button
- Source

We recommend selecting a Remote button (button variable) in Zone 1 first. Once this is selected, this is assigned a specific, physically present source.
If the setting made for Zone 1 should also be valid for further zones, you can continue with the next Remote button. Otherwise, you assign the new constellation to the other zones before continuing with the further Remote buttons.

Select zone

To start with, you select the (Multiroom) zone with the **Zone +/-** touch keys.
We recommend starting with Zone 1 as then all further zones take the Zone 1 settings as suggested values.

The same Remote buttons are available in each zone. If no Source changes are made for Zones 2, 3 & 4, their settings are identical to those of Zone 1.
This is indicated by the display "the same as Zone 1".
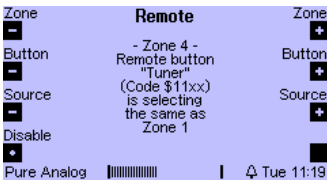
No Multiroom System present?

If your M100 is not to be set up as a Multiroom System, i.e. neither the 4 Zone Multiroom module nor the internal mr 1+1 sub-module is installed, only Zone 1 can be selected. Zones 2+3+4 are hidden as they are not available in this constellation.

mr 1+1 System

If you have opted for the 1+1 Multiroom System, only Zones 1+2 can be selected. Zones 3+4 are hidden as they are not available in this constellation.

Select button variable

Using the **Button +/-** touch keys, you select the button variables that you want to assign to a specific M100 audio source.
A button variable doesn't have to be an actual button. It can also be just stored as a remote control code in a Revox remote control.

The remote button **Tuner** symbolises, for example, the Tuner button on the M218 wall-mounted keypad.

ⓘ
M100 Remote control

The overview in the Remote Control chapter shows you which Remote buttons are assigned to the labelled source buttons.

TV Hold

One special option is to select **TV-Hold** instead of **TV**. With this button variable, you only activate the **TV** source with a longer press on the button. A shorter press has no effect. In this way, Remote control conflicts between the M100 and other televisions can be effectively avoided. The **TV** button must be blocked (disable) if using **TV-Hold** otherwise **TV-Hold** is ineffective.

Select source

Using the two touch keys Source +/-, an audio source is assigned to the previously selected button variable, e.g. Remote button **Tuner**, which is activated by selecting it through an M100 operating unit.

If the same audio source in the other zones should also be activated with the same, previously selected Remote button, this doesn't have to be set up separately. Rather, the M100 applies the settings for Zone 1 to all other zones automatically, unless a different setting was explicitly made.

You can check whether the same setting is actually present in the other zones with the **Zone +/-** touch keys. This is indicated by the display "the same as Zone 1".
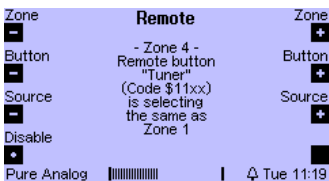
If, on the other hand, the Remote button should activate a different source in one or more zones, you switch zones with the **Zone +/-** touch keys. In the newly selected zone, another audio source can now be assigned to the same Remote button.

Example of a zone-dependant Remote assignment with the Tuner Remote button:
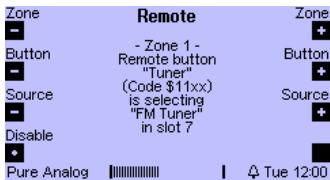
Fig. Zone 1
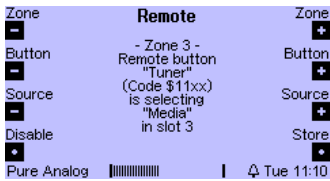
Fig. Zone 3

Explanation:
In Zone 1, the audio source *FM Tuner* is selected with the *Tuner* Remote button.

In Zone 3, on the other hand, the *Multimedia module* is activated with the button variable *Tuner*.

Saving source assignments

Every modification has to be confirmed with the **Store** touch key. Press **Store** if you want to save your changes. Otherwise the original setting is retained.

Note:
If several modules of the same type, e.g. **Tuner** are installed, these can no longer be differentiated though their names as, for example, all Tuner modules register with *FM-Tuner*.

In such a case, the differentiation can be made through the slot definition. Depending on which position the module occupies in the module carrier, it is assigned a different slot number.

Disable variable

The **Disable** function allows you to deactivate or block the remote button. This makes the audio source no longer addressable through the operating unit or remote control. Additionally, non-assigned (disabled) sources are not displayed in side room Source selection menus if a Multiroom System is present.

To do this, select the required Remote button through the **Zone/ Button** combination and press the **Disable** touch key. The **Store** touch key then appears that you need to press to confirm your change. If you don't press Store, the original setting is retained.

Once all settings have been made, you can quit the Remote menu with the [Menu] touch key.

Things worth knowing about *Remote*

The Remote menu can be used specifically to resolve IR conflicts or to hide sources in Multiroom zones.

IR Conflict

Like other manufacturers. Revox also uses an RC5 code as standard. If a third-party device is included, whose remote control also happens to use Revox commands, thereby causing problems with the operation of the Revox equipment, this IR conflict can be resolved through the Remote menu.

These devices mostly use the RC5 address *TV* (Code 00). If you now deactivate (disable) the TV Remote Button, your Revox equipment will no longer react to the commands from the other remote control.

The RC5 address code (Code $XXxx) is displayed in the Remote menu alongside the corresponding Remote button.

Hiding sources in a specific zone

If, with a Multiroom installation, you want certain Multiroom central unit sources not to appear or not to be available in one or more zones, you just don't establish any link between the source(s) in question and the corresponding zone(s) through the Remote menu. The Source menu (from the Revox service programs M230, M232 App, etc) for the individual rooms that belong to this zone, now no longer display the non-linked source(s)

Software version

The **Version** function shows you the current software version number as well as the position on the module carrier for the M100 basic components and its modules.

You can toggle between the two Version pages with the **Version** touch key.

The first column indicates the position on the module carrier with the numbers 1 - 6.

The middle column defines each module, the generation of this module and whether it is bootloader-enabled.

+ : bootloader-enabled
- : not bootloader-enabled

The last column shows the software version of the corresponding module.

Non-occupied plug-in slots are identified by **Not used**.

ⓘ
A Bootloader program is one that can be reprogrammed through an external connection, e.g. USB.

Example:

4   MRT+3 2.01

This line defines that the 3rd generation Multiroom module with the software version 2.01 is located in slot 4.

This module can receive a software update through a PC using a bootloader, e.g. with the Revox M-Scope service program.

ⓘ
The M100 basis with its two processor boards (Slot 0: 100+ and Slot 9 101+) is bootloader-enabled, i.e. you can execute a software update through the USB interface at any time.

You will find more information on the Bootloader topic in the M-Scope operating manual.

System

The **System** menu shows you the current temperature of the audio section and the M100 basis power supply unit.
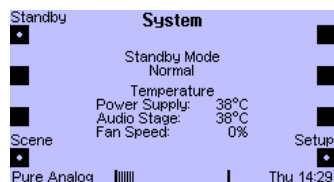
The M100 has two temperature-controlled, continuously adjusted fans that can be used to prevent overheating, as required. The fan power is shown in the display as a percentage value as **Fan Speed**.

The temperature should not exceed 65°C. If necessary, check to ensure that the M100 has sufficient ventilation and that spacing of 5 cm to the wall is maintained.
Even direct exposure of a free-standing unit to the rays of the sun can lead to overheating on warm days.

Standby mode

As well as the temperature display, the System menu also allows you to define the standby mode through the **Standby** touch key. The M100 has two standby modes, which are defined as follows:

Standby mode: *Normal*
In this standby mode, only those power supplies required for standard operation are switched off. The basic power supply that guarantees that the M100 can be controlled externally at all times, remains switched on. As well as the M-Link, this control covers power for external interfaces including the Multiroom module. For this reason you should use the Normal standby mode if you have a Multiroom operation or if you have a connection to a building management system.

Power consumption: approx. 1,3 W*

Standby mode: *Power Down*
In this standby mode, all power supplies are switched off, except those for the M100 front operating panel.
In this mode, side rooms can no longer be activated externally as long as the M100 itself is in standby mode.
For this reason, we do **not** recommend using the *Power Down* standby mode with Multiroom operation.

Power consumption: approx. 0.75 W

* Without external interfaces / (sub-)modules

Basic settings for the FM Tuner basis

The **Setup** menu for the internal FM Tuner offers all basic setting options that are not needed every day, such as searching for, storing or sorting stations.

The **Tuner** Setup is called by selecting the FM Tuner source and then pressing and holding the [Timer] touch key on the M100 basis for approximately 2 seconds. Then select the **Source** touch key that appears in the Setup menu. The following display appears:

Station search

There are three options in the Tuner Setup menu to search for and store stations.

1) Manual station search

You can select stations manually with **Search**.

To do this, press the **Search** touch key and set the required frequency with the touch slider.

If an RDS signal is received, the station name appears in the display after a short delay.

With **Add** and **Store**, you have two different options for storing a newly selected station - see next page.

Storing stations

Add function

With the **Add** command, a newly selected station is stored to a new touch key with the highest station number.

If you use this storage option, you remain in the Setup menu and can search for or change more stations.

A maximum of 48 stations can be stored.

If you want to return to the Tuner menu, just press the ⌊Menu⌋ touch key.

Example:
If you have already stored 4 stations, using the **Add** command adds a new station button 5 and stores the station on it.

Store function

With the **Store** command, a newly selected station can be stored at the station position that was being used before the frequency was changed.

If you use this storage option, you are then taken back to the **Tuner** menu.

A maximum of 48 stations can be stored.

Example

*You have already stored a station with the frequency 94.00 MHz on Station position 3 and then, using the **Search** or **Scan** command, you change it to 98.00 MHz. After pressing **Store**, a frequency of 98.00 MHz is assigned to Station position 3.*

2) Station search

Using the **Scan** function, you can search upwards and downwards through the frequency band.

With **Scan >>** and **Scan <<**, the system searches for a higher or lower frequency respectively, until the required station is found.

If you are happy with the station selection, it can be stored. This is done with the **Add** or **Store** function as described in the previous chapter Storing stations.

3) Automatic station search

The **Automem** function searches for all receivable stations and then stores them in ascending order of their frequency.

Automem was specially developed for installations with cable reception because in this case, many stations are available and it would take a long time to store them all manually. A maximum of 48 stations can be stored.

You can call the **Automem** function on the second page of the **Tuner** Setup. In this case, press the **More** touch key.

Press the **Automem** touch key for **approx. 5 seconds**. The tuner now automatically starts to search for and store one station after the other.

The **Automem** characters flash during this phase.

Once all stations have been stored, the station on Station button 1 is played.

Mono operation

There is a certain hissing sound with stations whose signal is weak. This can be significantly reduced by switching the station from stereo to mono reception.

Switching between mono and stereo is done by simply pressing the **Mono** touch key. Pressing it again restores stereo reception.

The station *DLF* is displayed as follows in mono operation.
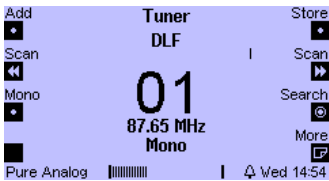
If you want to return to the Tuner menu without storing anything, just press the Menu touch key. The mono state is only retained however, until you change the station or source.

If mono operation should be retained permanently, the station has to be stored. This is done with the **Add** or **Store** touch keys as described in the previous chapter *Storing stations*.

Changing station names

With the **Edit name** function, the integrated FM Tuner offers the option of modifying station names to meet your own requirements. This is particularly useful if the station has no RDS signal to identify it or if you simply want to change the station name.

Select the station in the **Tuner** display whose name you want to change and then switch to the **Tuner** Setup menu. See chapter *Setup menu.*

Press on the **More** touch key to access the Setup editing page.

The editing function

By pressing the **Edit Name** touch key, you get to the menu shown below.

The following functions are available to you for changing names:

The ⇦ **Cursor** ⇨ touch keys move the [ ] cursor left and right respectively.

The **Delete** touch key deletes a character where the [ ] cursor is positioned.

The **Insert** touch key inserts a character to the left of the [ ] cursor.

The **Store** touch key saves the currently displayed name and returns you to the Tuner menu.

The **Cancel** touch key returns you to the Tuner menu without saving the changes you have made.

Changing characters

The actual modification of the individual characters, the letters and numbers, is done using the touch slider.
First you go through the alphabet with uppercase followed by lowercase letters, followed by numbers from 0 to 9 and then special characters. You can also go through this sequence in reverse.

Character sequence:

◁ ABC …acb…012…- ▷
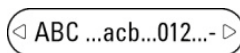
The customised name assignments can be done easily and quickly using the touch slider in combination with the editing commands.

Moving stations

Using the **Move** function, you can relocate stored stations to a different touch key.

Move gives you the option for example, to move your six favourite stations to the first page, avoiding having to scroll through the individual pages to find them.

You have to switch to the **Tuner** Setup menu to select the function.
See chapter *Setup menu.*

Press on the **More** touch key to access the Setup page with the **Move** function.

In this example, the station **DKULTUR**, which is on station button 04, should be moved to station button 03.

By pressing the *Move* touch key, you are taken back to the Tuner menu and a flashing ⩾**Move From**⩽ symbol indicates that you can now select the radio station that you want to move.
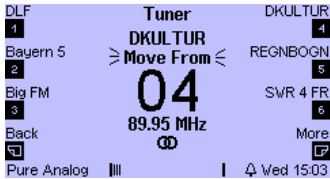
In our example, you would now press the station 04 with the name **DKULTUR**.

Immediately, the display changes from ⩾**Move From**⩽ to ⩾**Move To**⩽, indicating that you can now choose the station location you want to move to.

If this is not on the current page, switch to the required page with the **Back** and **More** touch keys.
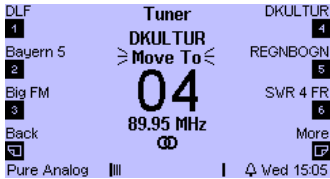
In our example, you would now press touch key 3. The station **DKULTUR** is now located on station button 3.

All following stations are shifted down by one position.

Once you have stored the station at the required position, the display returns to showing:

≥**Move From**≤

Now you can move another station if required. You can repeat this procedure as often as you want.

Once the station order is as you want it, you can quit the **Move** function with the ⌊Menu⌋ touch key.

Deleting stations

The **Delete** function deletes a station and fills in the gap in the station sequence by shifting all following stations one position up.

Press on the **More** touch key to access the Setup page with the **Delete** function.

Pressing on the **Delete** touch key returns you to the Tuner main menu. The flashing ≥**Delete**≤ in the display indicates that you can select a station for deletion by simply pressing on the corresponding station button.

You can repeat this procedure as often as you want. Once all the required stations have been deleted, you can quit the **Delete** function with the ⌊Menu⌋ touch key.

Renaming M100 inputs

The M100 basis offers the option of
assigning freely definable names to its
analogue and digital inputs. You no
longer have to remember which external
device is connected to which input. You
can simply give each input a name that
makes the assignment obvious.

First, select the source from the Source
menu whose name should be edited.

Now press the [Timer] button for approx. 2
seconds. By pressing the **Source** touch
key, you can now access its Setup and
make your settings.
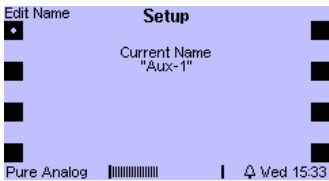
You access the required menu by
pressing the **Edit name** touch key.

You can modify the name as required
using the Cursor, Delete, Insert, Cancel
and Store function keys.

You will find a detailed description of the
individual functions in the chapter *Basic
settings for the FM Tuner basis* in the
section **Changing station names**.

DVD Setup

Drive basic settings (OSD)

As well as the DVD control, there is the DVD drive Setup menu where basic and global settings can be made.

The Setup menu is pre-configured by Revox and should only be changed if really necessary. Select the DVD source at the M100, switch the television on and press the OSD or Setup button on the remote control.

You can select and modify the individual functions by using the ◄ ►, ▼ ▲ and OK buttons on the remote control.

You will find an overview of the Setup menu on the next two pages.

Areas that should not be changed or where the settings should be retained for a problem-free operation are grey highlighted, as shown below.

Front Speaker 🗁
PCM
Off - 1/4 - 1/2 - 3/4 - Full

ⓘ OSD - **O**n **S**creen **D**isplay
Menu, where the settings are made through an on-screen display. This is the connected television, in the case of the M100.

ⓘ Child lock classifications: see *Preferences Page*

8 ADULT   Offensive material. Should only be watched by adults because of pornographic content, violence or obscene language.

7 NC-17   Not suitable for young people under the age of 17.

6 PG-R   Only for 16 - 17 year olds under parental guidance. Parents should not allow young people under 16 years of age to watch.

4 PG13   Material is not suitable for children under the age of 13.

3 PG   Parental guidance is recommended

1 G   Suitable for viewers of all ages

0 No Parental - All discs will be played.

DVD drive Setup (OSD)

DVD Setup - Overview   OK   select and confirm

General Setup Page	Audio Setup Page	Video Setup Page	Preferences Page[1]

Preferences Page:
PBC Play Back Control
Audio Language
Subtitle Language
Disc Menu Language
Parental
Default

Video Setup Page:
Comonent
Resolution (NTSC)
Video Adjust
HDMI Setup

Audio Setup Page:
Analog Audio Setup
Digital Audio Setup
Dolby Digital Setup
Delay Time

General Setup Page:
TV Dispaly
Angle Mark
OSD Language
Closed Captions
Screen Saver
Last Memory [3]
Playback Priority

[1] Only applicable, if there is no Disc inside the DVD-drive of the M100
[2] Ligth grey font: Alignment without relevance
[3] Deactivate during multiroom operation

Setup options		OK	select and confirm	

On	Off		
English	Deutsch	more Languages …	
English	Deutsch	more Languages …	
English	Deutsch	more Languages …	
1 Kid Saf	2 G	…	8. Adult
Reset			

RGB	YUV		
720 x 576i	720 x 576p	…	1920 x 1080p
Sharpness ▶	Brightness	..	Luma Delay
HDMI ▶	On	Off	

Analog Output ² ▷	Front Speaker ▷	…	Night Mode ² ▷
Digital Output ▷ ▶	PCM	LPCM Output ▷ ▶	48 k
Compression ▶	Off - 1/4 - 1/2 - 3/4 - Full		
Distance loudspeaker ²			

4:3 Pan Scan	4:3 Letter Box	16:9 Widescreen
On	Off	
English	French	more Languages
On	Off	
On	Off	
On	Off	
DVD-Video	DVD-Audio	

ⓘ
▶ : further options available
▷ : further sub-folders existent

DVD player basic settings

The **Setup** menu for the internal DVD player offers all basic setting options that are not needed every day.

The *DVD* Setup is called by selecting the *DVD/CD* source and then pressing and holding the ⌊Timer⌋ touch key on the M100 basis for approximately 2 seconds. Then select the **Source** touch key that appears in the Setup menu. The following display appears:

DVD Lock

You can deactivate the DVD/CD control in an additional room with **DVD Lock**.

This ensures that no-one in another room can interrupt the DVD reproduction, while you are watching a film in the main room.
If, on the other hand, a CD is inserted in the M100, the function has no effect on the control.
The function is called by pressing the **DVD Lock** touch key. Repeated pressing of the key toggles between switching the function **On** and **Off**.

M100 basis installation versions

The M100 system gives you a lot of freedom when installing your modules. The pictures below show the version options for a M100 module with a 2-way module carrier. You have the same version options of course with a 4-way module carrier.
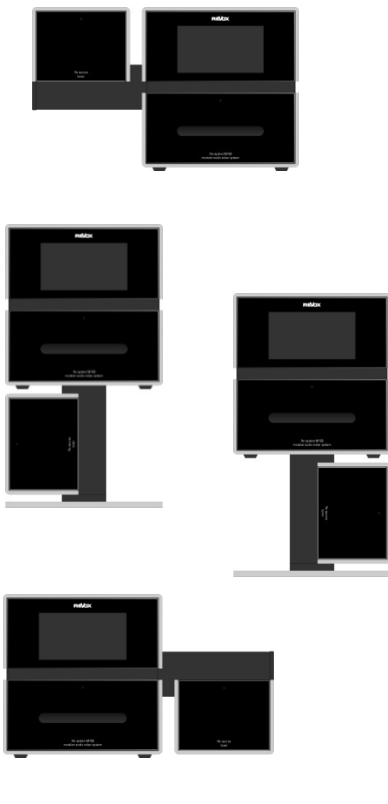
Expansion rules

There are three rules that have to be followed when adding M100 modules:

Rule 1
The number of modules is limited to **4**, both horizontally and vertically.

Rule 2
Horizontally, up to 2 module carriers can be added (left or right). Vertically on the other hand, only one module carrier can be added. A combination of vertical and horizontal module carriers is not allowed.

Rule 3
If an MR Slave sub-module is already installed in the M100 basis, this may not be further extended with a 4 Zone Multiroom module. The functions of these modules are mutually exclusive.

Appendix

Warranty

Warranty covers a period of 24 months from the purchasing date.

Your specialist dealer is your first contact if you need service help. If he is unable to assist you, send your device, carriage free, without accessories to your national Sales Office.

Please supply a complete description of the fault together with your address.

Environmental protection

Packaging
We recommend keeping the original box and packaging material so that if required, the device can be transported safely.

M100 basis
Please note: The EU Directive 2002/96/EC governs the correct return, handling and recycling of used electronic devices. For this reason, electronic used devices must be disposed of separately. This device should not be disposed of with normal domestic waste. You can take your used device to recognised disposal points. You can get further information about the return of such devices from your local authority, also in non-EU countries.

Disposal of the batteries
The batteries supplied with the remote control do not contain any harmful substances such as cadmium, lead or mercury. Discharged batteries may not be disposed of with the normal household rubbish. You can dispose of old batteries free of charge at corresponding collection points found in many shops. You will also find a container for old batteries at your specialist dealer.

Technical data

M100 basis

Output	Measured data	Measuring conditions
Output performance	2 x 170 W RMS 2 x 220 W Impulse	4 Ohm
Frequency range	5 Hz – 55 kHz	-3 dB
Damping factor	660	8 Ohm
Harmonic distortion	0.003 %	100W an 4 Ohm
Headphone output	≥ 8 Ohm	Current max. 130 mA

M100 basis

Dimensions	185 x 181 x 340	H x W x D
Weight	13 kg	Without packaging
Power consumption	500 W 30 W 1,3 W 0.75 W	Maximum power Normal operation without modules Standby mode: Normal[1] Standby mode: Power Down
Fuses	T6,3 AL 250V T3,15 AL 250V	100 - 120 V AC (Mains) 200 - 240 V AC (Mains)

DVD player

Playable formats	DVD Video (Single and Dual-Layer) incl. DVD+RW Video CD (VCD) Super Video CD (S-VCD) Audio CD (incl. CD-R,CD-RW and DVD+RW) MP3-CD (incl. CD-R,CD-RW and DVD+RW) JPG-CD (incl. CD-R,CD-RW and DVD+RW)

External inputs

Digital inputs	2 x Optical, 2 x Coaxial	
	16, 20, 24 Bit PCM	SPDIFF to 48 kHz
Analogue inputs (Line)	Aux 1, Aux 2	500 mV / 39 kOhm

FM Tuner

Max. Number of stations	48 FM stations

[1] Measured without loudspeakers, modules and external interfaces.

M100 Remote control TV codes
(sorted by manufacturer)

B

Bang & Olufsen	439	568	586			

C

Continental Edison	159	818	822	831		

D

Daewoo	155	158	163	165	166	167
	168	169	170	171	222	439
	442	466	468	526		

F

Fujitsu	240	272	563	781	784	804
	814					
Fujitsu General	272	814				
Fujitsu Siemens	500					

G

Goldstar	152	155	159	213	220	246
	269	272	290	294	363	437
	439	450	456	508	509	526
	626	702	793	804		
Graetz	413	432	435	493		
Grundig	154	159	242	243	244	245
	246	247	249	250	251	255
	258	259	262	264	266	267
	270	339	360	362	364	365
	369	370	414	430	437	438
	439	450	465	469	470	481
	494	498	534	567	734	764

H

Hitachi	169	171	197	211	258	312
	361	382	387	413	432	435
	439	455	456	461	466	468
	470	474	475	492	493	641
	653	671	672	673	675	676
	677	678	679	680	681	682
	683	684	685	686	687	688
	689	690	691	692	693	694
	695	696	697	698	699	700
	701	702	703	704	705	706
	707	708	769	788	794	804
	818	831				
Hitachi Fujian	673					
Humax	162	715	716	717	718	719
	720	747	753			

I

Itt	195	197	251	310	360	382
	387	395	635	641	734	783
	794	818				

J

Jvc	200	201	202	203	204	205
	206	207	208	209	286	439
	635	783				

L

Lenco	155	156	158	173	294	439
	486	799				
Lg	465	492	493	508	509	526
	529	532	603	618	619	620
	621	622	623	625	626	627
	628	630	631	666		
Loewe	210	229	312	428	*429*	437
	439	446	447	476	482	519
	583	588				
Luxor	155	284	363	368	382	384
	387	390	392	393	398	413
	432	435	475	523	539	783
	804					

M

Marantz	361	431	437	439	491	
Matsui	155	159	217	246	247	250
	286	310	341	343	344	345
	413	432	435	526	563	604
	635	636	639	659	731	734
	737					
Medion	382	383	413	432	435	437
	468	492	507	508	509	510
	543	661	763	780	781	784
Metz	246	247	248	251	252	253
	254	257	258	259	261	399
	400	401	402	413	432	435
	492	526	582	583	587	589
	590	*593*	781			
Mitsubishi	155	176	177	178	179	180
	181	246	259	310	437	439
	466	470	583			
	413	432	435			

N

Naim	499					
Nec	155	290	310	347	610	750
	751	752	753			
Nokia	146	155	284	285	286	290
	294	368	382	384	386	387
	388	389	390	391	392	393
	395	396	397	398	439	450
	583	635	641	783	790	
Nordmende	195	312	313	345	437	450
	818	820	822	825	827	828
	831					

TV codes (sorted by manufacturer)

O

Orion	147	155	182	183	294	310
	314	341	342	344	345	353
	413	432	435	437	438	439
	442	445	449	450	481	514
	560	604	734	735	737	764
	817					
Others	142	146	147	155	210	213
	215	246	286	288	310	312
	322	363	413	437	439	456
	490	516	526	530	540	635
	688	711	735	788	804	824

P

Panasonic	149	150	*225*	226	227	228
	229	230	231	232	233	234
	235	236	237	238	239	246
	254	258	259	437	439	788
Philips	258	272	312	407	408	410
	411	412	415	417	420	421
	422	423	424	425	426	431
	433	434	437	438	439	440
	441	443	450	462	469	470
	480	481	484	489	526	549
	550	551	552	562	648	702
	804	818	831			
Pioneer	312	351	352	354	355	437
	439	449	573	574	575	577
	578	579	580	581	831	
Quelle	150	155	202	220	229	246
	247	251	258	259	269	270
	272	274	279	280	281	282
	284	310	360	363	365	367
	377	387	390	392	395	398
	413	427	431	432	435	437
	438	439	446	449	450	476
	526	552	553	560	562	565
	604	641	648	653	734	735
	780	789	798	814	828	834

R

Revox	365	437	439	476	*781*	
Roadstar	147	155	268	294	341	413
	427	432	435	438	439	449
	450	465	508	509	538	
Runco	290					

S

Saba	210	247	312	313	372	405
	508	799	816	818	820	822
	827	828	829	830	831	

Samsung	155	156	160	161	213	269
	290	294	298	316	317	318
	319	321	322	323	324	325
	327	328	329	330	331	332
	333	334	335	363	415	419
	437	439	459	511	512	513
	526	530	540	712	788	789
	804					
Sansui	155	290	294	310	437	439
Sanyo	155	213	269	271	274	310
	361	413	432	435	492	493
	508	528	547	583	632	633
	634	635	636	637	638	639
	640	641	642	659	788	797
	798	804				
Schneider	147	155	220	271	272	286
	294	361	362	377	406	413
	415	432	435	437	438	439
	447	449	450	455	465	468
	469	470	471	472	481	485
	502	507	508	509	510	517
	526	527	528	531	535	536
	544	547	780			
Seg	147	155	213	221	294	362
	409	413	427	432	435	436
	492	493	565	780	797	799
Sharp	*185*	186	187	188	189	190
	191	192	193	194	195	196
	197	198	199	437	439	653
	689	794				
Siemens	246	247	250	251	258	259
	266	279	282	437	439	448
	470	490	528	547	811	
Silva Schneider	155	413	455	472	492	493
	500	501	507	510	517	525
	526	527	528	529	535	546
	547	596	644	649	665	
Sony	279	310	311	437	438	439
	552	553	554	555	556	557
	558	560	561	562	564	565
	566					

T

Tatung	159	211	310	326	424	437
	439	449	475	517	524	528
	539	541	547	584	707	788
	804	805				
Technica	290	413	432	435	492	493
	507	510	779			
Technics	439					

TV codes (sorted by manufacturer)

T

Telefunken	221	280	281	312	313	373
	395	404	405	418	439	500
	501	781	814	816	818	820
	821	822	823	825	826	828
	831	834				
Tevion	413	432	435	468	508	509
	528	547	611	661	749	753
	763	780				
Thomson	172	216	246	274	280	312
	360	372	373	374	375	376
	405	471	803	818	820	822
	823	826	827	828	831	834
Toshiba	169	246	247	249	250	290
	317	338	340	341	365	413
	432	435	437	439	508	509
	635	641	643	646	648	650
	652	653	657	658	659	758
	759					

U

Uher	272	361	365	439	476	560
	799	814				
Universum	155	221	246	251	258	259
	266	268	269	274	280	284
	294	310	360	383	395	413
	427	432	435	436	437	438
	439	450	469	496	526	562
	780	814				

W

Watson	147	155	282	413	427	432
	435	439	450	508	509	780
Whirlpool	372	373	470			

Y

| Yamaha | 648 | 650 | 674 | 686 | | |

ⓘ Code table information

This code table only includes a small extract for the most commonly used models and brands.

The complete list can be downloaded free-of-charge from the Download area of the Revox web site www.revox.de.

Television models that can be intelligently controlled through the Re:connect products M200 and M203 are shown **bold**, and in *italics* in the tables.

M100 Remote control
Manufacturer code list

Aiwa	113	Orion	212
Akai	200	*OTHER_BRANDS*	226
Bang & Olufsen	131	Others	211
Blaupunkt	171	Otto Versand	220
Braun	101	Panasonic	191
Conrac	144	Philips	222
Continental Edison	134	Pioneer	173
Fujitsu	144	Quelle	224
Fujitsu General	164	Revox	157
Goldstar	184	Saba	182
Graetz	166	Sagem	119
Grundig	219	Samsung	221
Hitachi	225	Sansui	193
Humax	150	Sanyo	214
Itt	195	Schneider	223
Jvc	162	Sharp	179
Lg	185	Siemens	209
Loewe	163	Silva Schneider	189
Marantz	141	Sony	177
Medion	188	Technisat	157
Metz	203	Telefunken	202
Mitsubishi	167	Tevion	188
Mitsubushi	194	Thomson	192
Motorola	164	Toshiba	213
Nec	151	Universum	215
Neckermann	201	Watson	175
Nokia	207	Whirlpool	120
Nordmende	182	Yamaha	127

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Kontakt

Irrtümer und technische Änderungen vorbehalten.

M100 basis Operating Manual / Part-Nr.: 10.30.325   V2.07