

English user manual

Re:source  
M100 module

server 02

**REVOX**

Dominating Entertainment.  
Revox of Switzerland.

<b>Welcome .....</b>	<b>1</b>
Talents.....	1
Important for Multiroom .....	1
<b>Starting Server .....</b>	<b>2</b>
<b>Server menu.....</b>	<b>3</b>
M217/ M218 operation .....	3
M217 .....	3
M218 .....	3
Server operation .....	4
<b>Artist selection .....</b>	<b>5</b>
Manual selection.....	5
Alphabetic selection.....	6
<b>Replay options.....</b>	<b>7</b>
Random replay.....	7
Album replay .....	7
<b>Album selection .....</b>	<b>8</b>
Manual selection.....	8
Alphabetic selection.....	9
Selection not available?.....	10
<b>Genre selection.....</b>	<b>11</b>
Select Genre .....	11
Shuffle mode.....	12
Play mode .....	12
<b>Playlist selection.....</b>	<b>13</b>
Select Playlist .....	13
<b>Replay mode.....</b>	<b>14</b>
Defined track selection.....	15
Track scroll selection.....	15
Repeat .....	16
Shuffle .....	16
Cue .....	17

<b>Cabling &amp; Setup .....</b>	<b>18</b>
Server Setup .....	19
Auto Play function .....	19
<b>Server module installation .....</b>	<b>20</b>
M100 basis installation versions .....	20
Installation steps 1/2.....	21
Installation steps 3/4.....	22
Turning the front glass.....	23
<b>Connection server module 02 .....</b>	<b>24</b>
RS232 connection .....	24
Audio connections.....	24
<b>Cabling &amp; Setup .....</b>	<b>25</b>
2-Zone Music Server M37 .....	25
Setup 2-Zone Server M37-2 .....	26
Setup 4-Zone Server M37-4 / M57-4 ...	27
Setup 8-Zone Server M57-8* .....	28
<b>Appendix.....</b>	<b>29</b>
<b>Guarantee.....</b>	<b>29</b>
<b>Technical data .....</b>	<b>29</b>
<b>Scope of delivery.....</b>	<b>29</b>

\* No longer available

## Welcome

This Server Module enables you to manage your complete CD collection like the professionals in the radio studios. In a matter of seconds, you can access any album, any artist, any genre and any of your customised playlists.

The Server Module delegates your musical wishes to the Music server and keeps you constantly up-to-date both at the M100 and at each side room in Multiroom operation.

## Talents

The Server Module is a universal audio interface with a serial Server port, which can serve up to 4 zones independently with music in Multiroom operation.

The Communicate module with the *Server2* software is described in this manual. Using this software, it can support the **M37** Music server as a 2- or 4-zone version as well as its predecessor, the **M57** as a 4- or 8-zone version.

### Important for Multiroom

You will need to make a change in the **Remote** menu if you are using your Music server in Multiroom operation and want to have access to the music database from each side room.

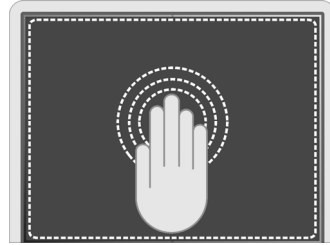
You will find more information about this on page 18.

## Starting Server

The Server module can be started in 3 different ways:

### ① By touching the front panel

Touch the glass front panel of the Server module, as shown in the picture on the right. If the M100 is switched off, the M100 basis now starts up and selects the source, *Server*. If, on the other hand, the M100 basis is already switched on, it switches over to the source, *Server*.



### ② M100 basis Welcome menu

The M100 basis has a proximity sensor. As soon as the M100's proximity sensor recognises that a hand or another object is approaching, it increases the background lighting and the **Welcome** menu appears. Now you have 5 seconds to select the source you want, in this case *Server*, by touching the corresponding sensor field. If no selection is made, the M100 basis returns to standby mode.



### ③ M100 basis Source menu

If the M100 basis is already operating, the source *Server* can be called through the M100 basis Source menu. To do this, press the **Source** touch key on the M100 basis. The following menu field appears: The MMM module is activated by pressing the **Server** touch key.



## Server menu

Once all the required settings have been made in the Server module Setup, the Server can be called in the M100 Source menu and/or through the keys that were assigned through the Remote menu.

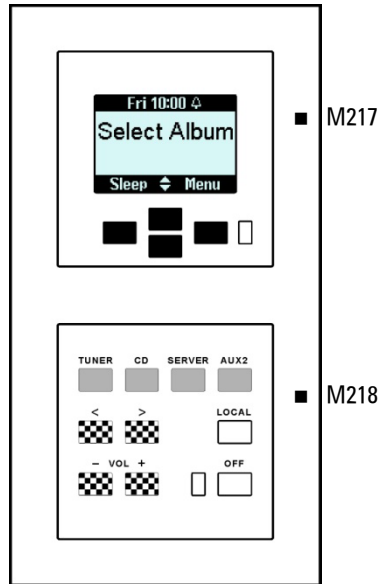


The manual always shows the M100 display view to illustrate working with the Server module. In terms of content, this display view is identical to that of the **M217** wall display. The only difference is the resolution and/or modified structure for the selection of menu points.

The most important control options available for operating the Server module through an M217/M218 display combination are shown on the righthand side.

## M217/ M218 operation

Thanks to the sophisticated Revox Multiroom concept, it is possible to operate the Music server from each side room that is connected to the Multiroom system.



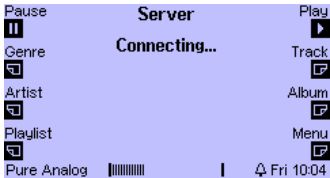
■ Call the Music sever Main menu though the source keys on the M218 keyboard (grey keys) that you assigned in the *Remote* setup of the source *Server*.

▣ In the same way you use the M218 keyboard to control the volume [Vol ±] as well as changing track [<>], assuming that the selection menu supports these chequered keys.

■ Further operation of the Server is done through the touch keys on the M217 display (black keys).

## Server operation

The first time you use the server function, the following display appears briefly after activating the **Server** from the **Source** menu:



At this time, the communicate module attempts to set up a connection to the music server. This is shown through the text:

### Connecting...

in the middle of the display.

If the text does not appear after a few seconds, there can be a number of reasons:

1. The music server is in standby mode or is completely switched off.  
⇒ Switch the server on
2. The **RS232** Server cable from the Server module to the music server is interrupted somewhere.  
⇒ Check the **RS232** connection



The 6 large touch keys on the front of the M100 are shown as follows in the following chapters:



## Music selection

The communicate module offers you 4 different search options when selecting music from the music server database. These options are:

- Artist
- Album
- Genre
- Playlist



To avoid any confusion and to help you better understand the operation of this module, it should be stated at this stage that the server module accesses and plays the CDs stored in the music server.

It is **not** designed to be able to edit, sort or delete CDs from the music server database. All these functions are carried out directly at the music server.

## Artist selection

Using the **Artist** menu option, you can search through the database for specific artists by name. This includes all the names of singers, bands, orchestras, ensembles, etc.

Select the artist touch key from the following main menu display.



The display will now show the name of the last selection that was made. With the following example, it was **Marilyn Monroe** as shown by the small arrow head (▶).



## Manual selection

With the manual selection, you can scroll through the contents to find the artist you are looking for.

To do this, you can use the

◀ **Page** ▶ touch keys to scroll to the previous or next page. Each page indicates the start of a new letter block of artist names. Once you have found the page with the name of the required artist on it, you can select the corresponding line with the ◀ **Select** ▶ touch keys.



Now you can select from various replay options, which are described in the Replay options section.

### Alphabetic selection

The alphabetic selection option allows you to make a targeted search, based on the artist’s name. In this case, the first letter of the name will be used from the music server list, irrespective of whether that is the first name or the last name.

To start the alphabetic search, press the **ABC...** touch keys. Then, using the touch slider, you select the first letter.

As well as showing the text Artist, the top line of the display also shows the letter currently being used for the listing.

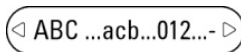


In the following example, the letter **F** has been selected. The server module now lists all the stored artists’ names, which start with the letter **F**. The first name in the list is shown with the ( ▶ ).

Now, using the ◀ **Select** ▶ touch keys, you select the desired artist and then decide whether to opt for a random replay with the **Shuffle** touch keys or whether to select a specific album.

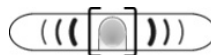
Please refer to the **Replay options** section.

### Character sequence:



As you slide your finger over the M100 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.

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





## Replay options

### Random replay

A random replay function is started with the **Shuffle** touch key.

In this case, all tracks from the album are played in a random order. If more than one album is stored for the artist selected, the selection is made from all albums.



### Album replay

The **Album** softkey shows the albums that are assigned to the selected artist. If there is more than one album available, you can select the corresponding album using the ◀ **Select** ▶ touch keys.

The following example shows albums from *ABBA*. Select the album you want with the ◀ **Select** ▶ touch keys and press the **Play** touch key.



## Album selection

The **Album** selection enables you to search for a specific album within the music server database.

Here there are various options to find the album you are looking for.

To go to these options, press the **Album** touch key from the following menu:



## Manual selection

The manual selection option allows you to search for a specific album by simply scrolling through the contents of the database. In this case, the albums are shown in alphabetic order.

To do this, you can use the ◀ **Page** ▶ touch keys to scroll to the previous or next page. Each page indicates the start of a new letter block of album names. Once you have found the page with the name of the required album on it, you can select the corresponding line with the ◀ **Select** ▶ touch keys.



Now you can select from various replay options, which are described in the **Replay options** section.

## Alphabetic selection

The alphabetic selection option allows you to make a targeted search, based on the album's name. In this case, the first letter of the name from the music server list will be used as the search criterion.

To start the alphabetic search, press the **ABC...** touch key.

As well as showing the text **ALBUM**, the top line of the display also shows the letter currently being used for the listing.



In the following example, the letter **F** has been selected. The server module now lists all the stored albums, which start with the letter **F**. The first name in the list is shown with the ( ▶ ).

In the following example, this was the album *Face Value*.



Select the album you want with the ◀ **Select** ▶ touch keys (in this case *Fleetwood Mac*), and press the **Play** touch key.



Please also refer to the **Replay options** section.

## Selection not available?

If you select a letter for your search for which no album or artist is stored, the following display appears:



This means that no entries were found in the music server, which match the selection criterion.

Possible causes for this are:

- The artist or album was stored with the first name or the last name.
- The artist or album has an article or no article in the name.
- The automatic CD recognition from the Internet didn't work correctly and the artist or album was stored with a default name.

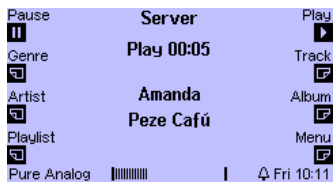
In this case, you should check the contents of your music server database with the **Page** and **Select** touch keys.

## Genre selection

As well as storing the CD in the music server database by the name of the artist and the album, it is also stored according to the type of music on the CD, the so called music genre.

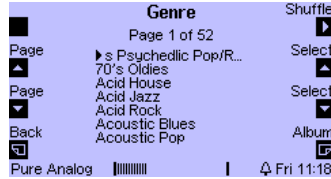
Through this genre assignment, you now have the option to search according to a particular music type, such as *Rock* or *Classical*...

Genre selection is made using the **Genre** touch key in the main menu.



## Select Genre

To select a genre, you simply scroll backwards or forwards through the genre index, where the index is listed in alphabetical order as shown below:



To do this, you can use the **Page** touch keys to scroll to the previous or next page. Once you have found the page with the name of the required album on it, you can select the corresponding line with the **Select** touch keys, e.g. the *Folk* genre as shown below:



Now you can select from various replay options.

## Shuffle mode

A random replay function is started with the **Shuffle** touch key.

In this case, all tracks all albums from the selected genre are played in a random order.



## Play mode

If you want to select a specific album from the specified genre, just press the **Album** touch key.

Now, all albums are displayed in alphabetical order and you can select your preferred album with the ◀ **Page** ▶ and ◀ **Select** ▶ touch keys.



The selected album is started with the **Play** touch key.

You will find further information about play control, in the **Playback functions** section.

## Playlist selection

The **Playlist** selection allows you to choose between self-created playlists. The advantage of a playlist is that you can combine music together to match a particular occasion or to create a particular mood. You can then select the one that meets your current requirements.

A playlist contains tracks or complete albums selected by you, the user. You can also decide on the order they should be played in unlike other selections, which sort the content in alphabetical order.

These playlists are created either directly at the PC or simply through the music server itself.

M57 & M37 MK1 with SN<2000:

→ XIVA Producer

M37 MK2 with SN>2000:

→ Web browser

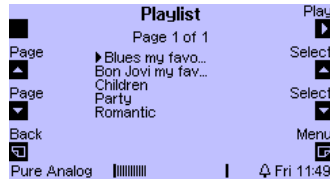
e.g. Microsoft Internet Explorer

The playlist selection functions are accessed through the **Playlist** touch key in the main menu.



## Select Playlist

After pressing the **Playlist** touch key, all user-defined playlists are displayed in alphabetical order, e.g.:



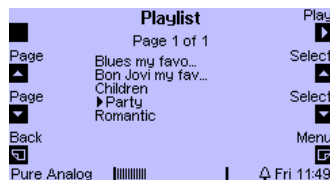
The above display shows 5 examples of playlists, entitled:

*Blues my favourites, Bon Jovi my favourites, Children, Party, Romantic*

If you have created more than 9 playlists, you can scroll forwards or backwards with the ◀ **Page** ▶ softkeys.

Once you have found the page with the name of the required album on it, you can select the corresponding line with the ◀ **Select** ▶ softkeys, e.g. the *Party* playlist as shown below:

Press **Play** to listen to your playlist.



## Replay mode

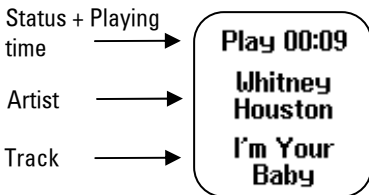
Once you have selected an album, various playback functions are available to you, similar to those with a CD.



When you start playback with the **Start** touch key, the following display appears:



The following information is shown in the centre of the display:



## Start playback

Playback is started with the **Play** touch key.

## Pause playback

If you want to pause the replay for a short time, simply press the **Pause** touch key. To cancel the pause and restart the playback from the same position, press the **Play** touch key.



### Defined track selection

On the first menu page, you will find the function **Track**, as well as the Play and Pause functions. This function enables you to jump to a specified track within the album.



Once you have pressed the **Track** touch key, a display opens up where all the tracks from the album are listed.



Using the ◀ **Select** ▶ touch key you can choose the desired track and by pressing **Start** you can play it.

### Track scroll selection

The second page also includes a **Play** and **Pause** function.



Additionally, the two **Track** touch keys enable you to scroll backwards or forwards to the previous and next tracks.

## Repeat

Press the **Repeat** touch key, if a selected album should be repeated permanently. This is particularly useful during a party or a function where you can play music from Playlists, for example, for hours at a stretch, without any manual intervention.



You can use the **Repeat** touch key to toggle the Repeat function **ON** and **OFF**.

## Shuffle

You can activate the random playing order function with the **Shuffle** touch key.

If this function is deactivated (**OFF**), you can't play the tracks in a random order, irrespective of your music choice, in terms of Album, Genre, etc.



You can use the **Shuffle** touch key to toggle the random play order function **ON** and **OFF**.

## Cue

The **Cue** touch key offers you the chance to move to a particular timepoint within a track. When you press **Cue**, the playing time appears in square brackets.



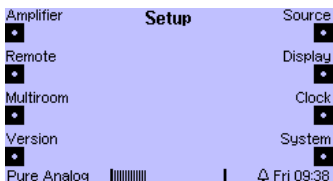
Now, using the touch slider, you can select the required timepoint, where the playback continues to follow the defined time.

Once you have found the required position, pressing the **Cue** or **Play** touch keys returns you to normal playback mode and the square brackets disappear.



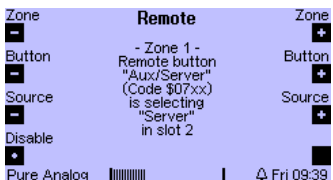
## Cabling & Setup

Setup offers you the option of configuring the Server Module individually.



If you want to operate the Music Server in a Multiroom system, the correct assignment of the Server must be made in the **Remote** menu.

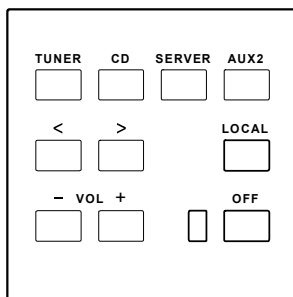
The Server Setup is called by starting the Server source and then pressing and holding the **Timer** touch key on the M100 basis for approximately 2 seconds.



Select the settings as shown above by assigning the **Server source** to the **Aux/Server Remote button**, confirming your selection through the **Store** touch key.

The slot specification can vary and is dependent on the position of the Server module on the module carrier.

Theoretically, you could also select a different Remote button than *Aux / Server*. Using this setting however, you can access the Music server directly through the Server button on the M218 wall-mounted keypad. This makes the button label identical to the called source.



You will find further information on the topic of the Remote menu in the M100 basis Operating manual in the chapter *Remote menu*.

## Server Setup

The Setup function is called by selecting the *Server* source and then pressing the **Timer** button on the front of the M100 basis for about 2 seconds. After this, select the **Source** touch key.



## Zone assignment

The audio outputs of the (side room) zones are assigned through the Zone assignment. In Multiroom operation, this assignment defines whether a zone has its own access to the Music server or whether several zones have joint access.

You assign which zones the Communicate Module should serve with the **Zone** touch key.



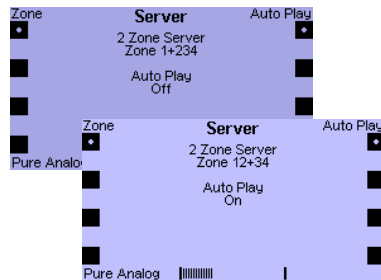
You will find an exact description of the cabling and the Setup settings in chapter *Appendix*.

## Auto Play function

Through the Auto Play function, you can select whether the Server should start playing immediately if it is selected from the source menu [**Autoplay On**] or only once there has been an explicit start command [**Autoplay Off**].

You make your selection through the **Auto Play** softkey. By repeated pressing of the key, you can toggle between **On** and **Off**.

Activating the **Auto Play** function in Multiroom operation is particularly advantageous, as you can start the server playing with a *single* key press on a wall-mounted remote control.



## Server module installation

For installation, the Server module needs a 2-way or 4-way module carrier that it is located in. This module carrier is mounted on the left, right or underneath the M100 basis. The pictures here show an M100 basis with a 2-way and a 4-way module carrier installed. The installation of the module carrier is fully explained in the M100 basis User manual.



### M100 basis installation versions

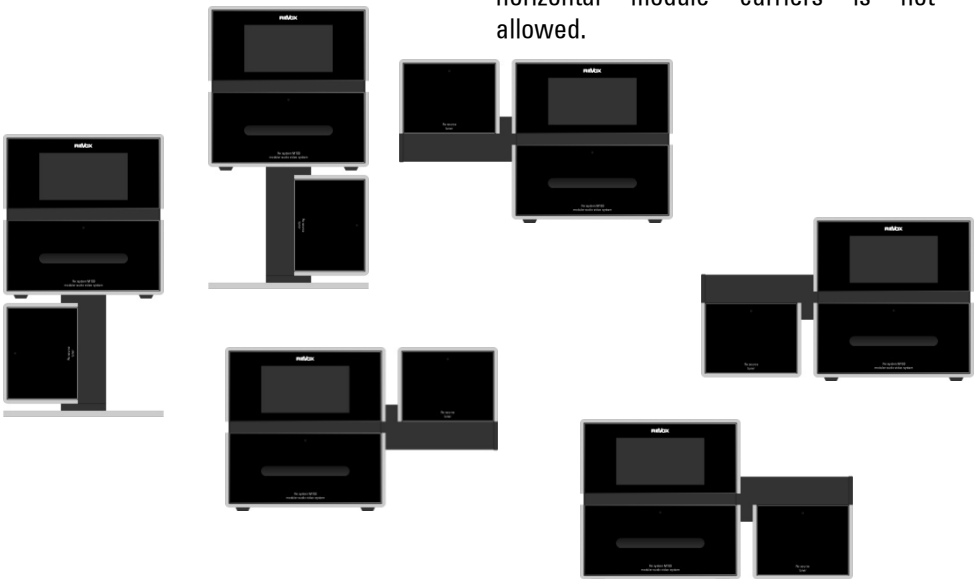
The M100 system gives you a lot of freedom when installing your modules. The pictures below show the version options for a Server module with a 2-way module carrier. You have the same version options of course with a 4-way module carrier. Only two rules have to be followed:

#### Rule 1

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


#### Rule 2

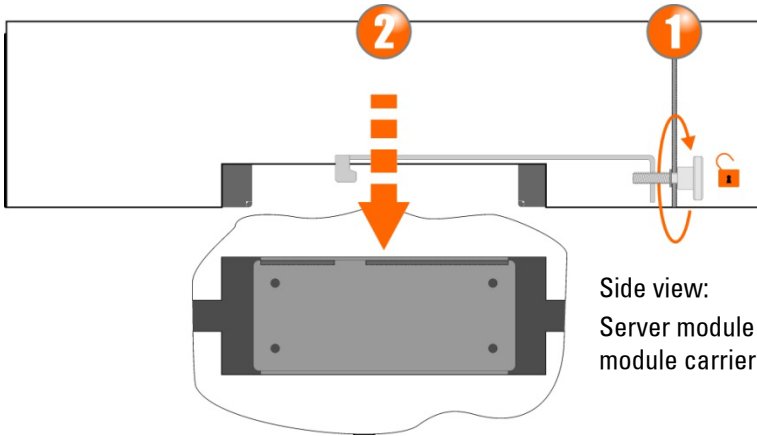
Horizontally, up to 2 module carriers can be added (left or right). Vertically on the other hand, only one module carrier can be added. A combination of vertical and horizontal module carriers is not allowed.



## Installation steps 1/2

**1**

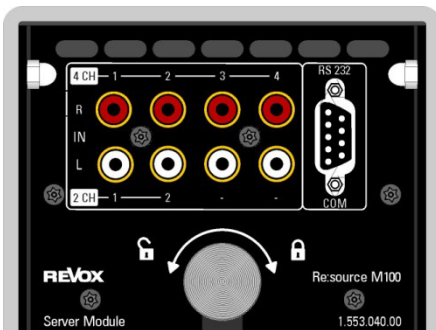
Loosen the locking screw on the back of the module in a counter-clockwise direction in the direction of the  symbol until you feel a resistance. The two locking hooks located on the underneath of the module are now brought to a position so that you can attach the module. Continue with point 2.



Side view:  
Server module with  
module carrier

**2**


Position the module on the module carrier making sure that the locking hooks are located over the corresponding cut-outs in the module carrier. Shortly before the plug-in card is seated flat on the module carrier, you will feel a mechanical resistance, caused by the bus board contact strip.

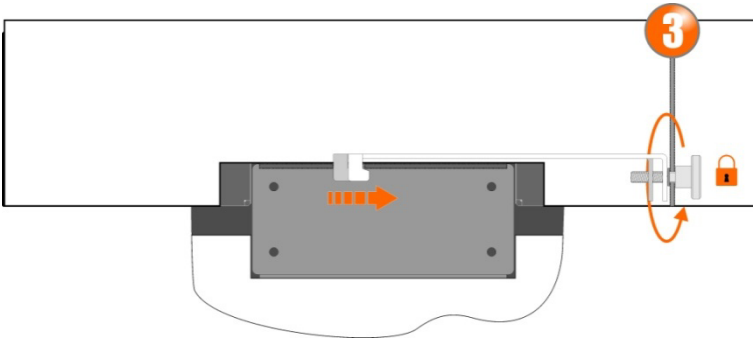


Rear view:  
Server module with locking screw

### Installation steps 3/4

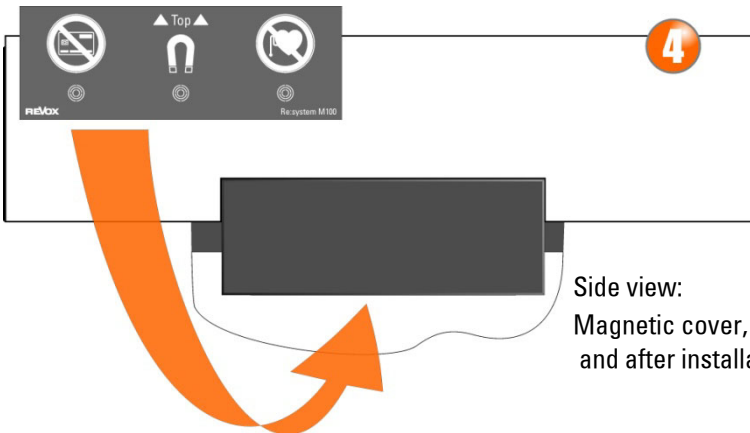
3

In the third step, the module is now locked onto the module carrier. This is done by turning the locking screw in a clockwise direction towards the  symbol until a clear, mechanical resistance is felt. The module is now securely fixed to the module carrier.



4

In the last step, the magnetic cover is installed on the module carrier. Please take note of the safety advice printed on it.

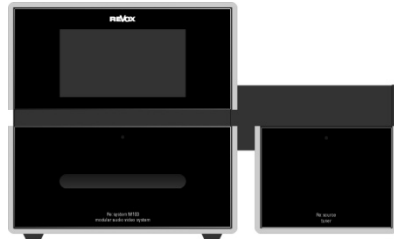


Side view:  
Magnetic cover, before  
and after installation.



## Turning the front glass

Depending on the installed configuration, (see picture on the right), it can be necessary to turn the front glass so that the printing is not upside down. The Server module front glass is held in place by four concealed magnets and accordingly, can be removed for this purpose.

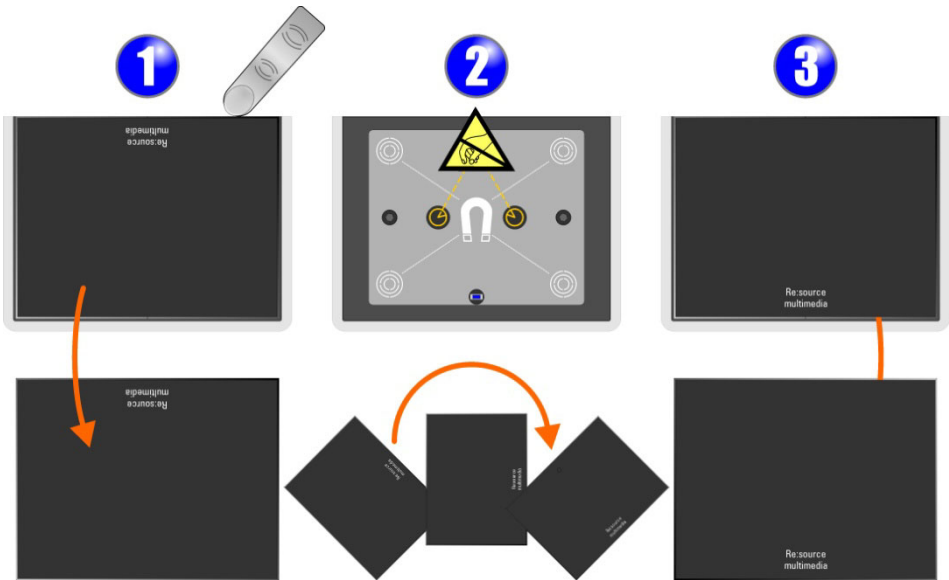


- 1 Lift the glass front off the front of the module by levering it gently at the bottom edge, using a fingernail.
- 2 Turn the front glass
- 3 Carefully reposition the front glass on the front of the module.

### Important advice



During the modification, two gold contact springs are exposed, which should not be touched. Otherwise, the proximity processor that carries out the touch function when the unit is in operation could be damaged.



## Connection server module 02

### RS232 connection

The **RS232** Server interface is connected to the Music server with a 9-pin, 1:1, Sub-D cable in all Server configurations.

### Audio connections

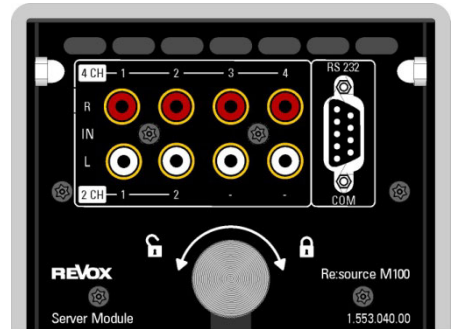
The Communicate Module is designed for a 4 zone Multiroom system and has therefore, 4 independent audio inputs, one for each zone.

- IN 1** for Zone ①
- IN 2** for Zone ②
- IN 3** for Zone ③
- IN 4** for Zone ④

In Multiroom operation, all 4 audio inputs have to be connected to the Music server with the M37 4 and/or M57 4-zone music servers.

With the M37 2-zone version, the first two audio inputs IN 1 and IN 2 have to be connected.

**You will find information about the corresponding cabling in the next chapter.**



## Cabling & Setup

There is different cabling depending on which Music server is connected with the Server Module.

### Important

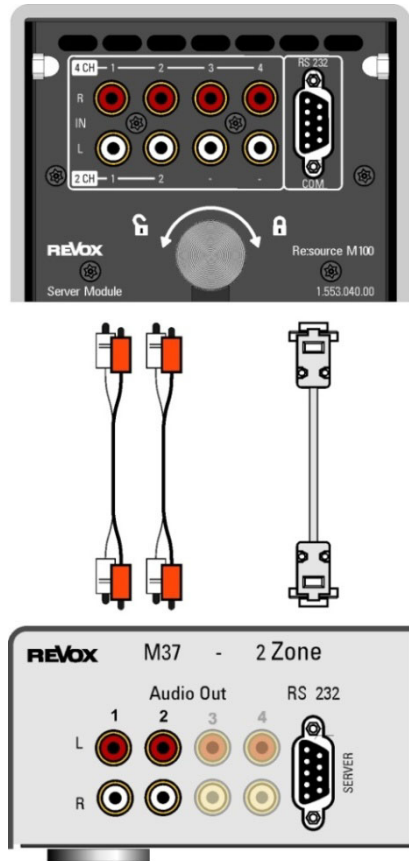
Communication between Music server and Server Module only works properly if the corresponding Music server has been selected in the Server Module **Setup**.

### 2-Zone Music Server M37

The 2-Zone M37 Music server has 2 audio outputs, which are connected to the audio inputs 1 and 2 on the Server Module. Audio inputs 3 and 4 are not connected and remain unassigned.

The internal splitting of the music signal to the corresponding zones is done automatically through a high-quality audio matrix.

Zone 1 is connected with the M100 through the source selection. Any source change at the M100 also affects in multiroom operation Zone 1 and vice-versa. You should take this into account with the zone assignment.



## Setup 2-Zone Server M37-2

The Server Module supports two configurations of the 2-zone Music server.

### Zone 12+34

With the Zone 12+34 configuration, the (Side room) zones 1 and 2 share audio output 1, while zones 3 and 4 share audio output 2. This means that zones 1+2 hear the same music and so do zones 3+4. Each zone has the same level of authorisation when it comes to selecting music.



### Zone 1+234

With the Zone 1+234 configuration, the (Side room) zone 1 is assigned exclusively to the audio output 1, while zones 2, 3 and 4 share the audio output 2.

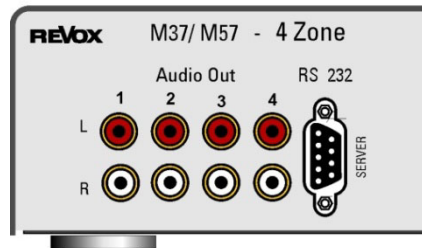
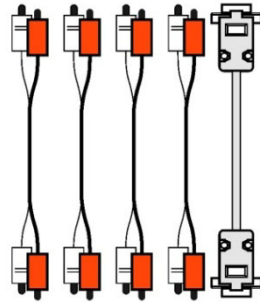


### No Multiroom operation

The setting **Zone 1+234** can also be selected if the M100 is used purely as a hi-fi system, without Multiroom operation. In this case, you just connect the audio output 1 with the zone input 1. The other audio connections are not used

### Setup 4-Zone Server M37-4 / M57-4

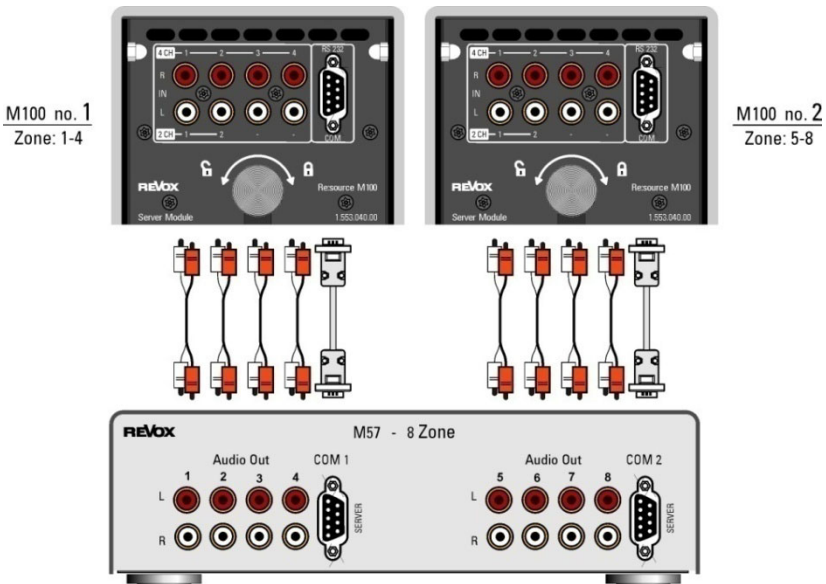
1. Connect the 4 audio cables 1:1 between the Music server and the Server Module like shown in the figure righthandside.
2. Select the setting **Zone 1+2+3+4** as shown below in the Server Module **Setup**. Each of the 4 zones can access the Music server independently of each other.



### Setup 8-Zone Server M57-8\*

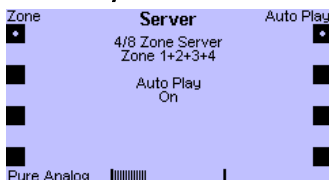
With bigger installations, the Revox Multiroom System can be equipped with an 8-zone M57\* Music server. This 8-zone server combines two 4-zone servers in one device and can operate two M100/ M10 at the same time, independently of each other.

- Each multiroom system is equipped with a Server Module. The first one is connected to the audio outputs **1-4** and **COM1**, the second one with audio outputs **5-8** and **COM2**.



- Select the setting **Zone 1+2+3+4** for MR-System **No. 1** and setting **Zone 5+6+7+8** for the **MR-System No. 2** in the Server Module **Setup**.

#### MR-System No. 1



#### MR-System No. 2



\* No longer available

## Appendix

### Guarantee

The guarantee period is 24 months from the date of purchase.

Your dealer should be your first contact if you need service. If he can't give you the help you need, send the Server module carriage free and without any accessories to your national Sales Office.

Please supply a complete description of the problem and a full return postal address.

### Scope of delivery

- M100 server 02
- Sub-D9 cable

### Technical data

#### Audio connections :

Zone 1 / Main room	IN1	Cinch Stereo input
Zone 2	IN2	Cinch Stereo input
Zone 3	IN3	Cinch Stereo input
Zone 4	IN4	Cinch Stereo input

Max. cable length	10 m (dependant on cable quality and environment)
-------------------	---

#### Digital data connections

RS 232	SUB-D 9-pin, 1:1 cable
Max. cable length	10 m

## Contact

Germany  
Revox GmbH  
Am Krebsgraben 15, D 78048 VS-Villingen  
tel +49 7721 8704 0, fax +49 7721 8704 29  
info@revox.de  
www.revox.de

Switzerland  
Revox (Schweiz) AG  
Wehntalerstrasse 190, CH 8105 Regensdorf  
tel +41 44 871 66 11, fax +41 44 871 66 19  
info@revox.ch  
www.revox.ch

Austria  
Revox Austria GmbH  
Josef-Pirchl-Strasse 38, AT 6370 Kitzbühel  
tel +43 535 666 299, fax +43 535 666 299 4  
info@revox.at  
www.revox.at

Errors and omissions excepted. Product subject to modification.

User manual M100 server module 02 / Part no.: 10.30.3251