

English user manual

Re:control

M217

Wall Display Unit

E 2.01

REVOX

Dominating Entertainment.
Revox of Switzerland.

Wall display M217	2
General	2
Installation advice & Multiroom Planer	2
Safety Guidelines	3
Connection schematic M217	4
GIRA M217	5-6
Feller EDIZIOdue 4217.M	7-8
Revox Adaption: Jung & Merten	9-10
Connection plan	11
Configuration	12
IR receiver	12
Addressing	13
A/B operation	14
Menu Control	15
Operating with softkeys	15
Contrast & Time	16
Timer Menu	17
Timer programming	17
Sleep function	24
Guarantee and Delivered items	25
Care	25
Technical data	26

Wall display M217

Please read these instruction through completely and carefully before setting the unit up.

General

Ideally, the wall display is combined with the M218 keypad to enable simply and logical operation of your music equipment.

The four softkeys are assigned different operating functions, depending on the menu selection. The Main menu shows information about the current program, e.g. multimedia module, CD. The basic operations such as Source, Track+/-, Volume, etc. are carried out using the connected keypad M218 or through a Revox IR remote control.

The Timer menu organises timed processes in the Multiroom system, e.g. time, day, volume, source, etc., while the Server menu allows you to control the Music server.

The IR receiver that is integrated in the display transfers the control signals to the Multiroom equipment.

Installation height

The ideal installation height for the M217 display unit is approx. 150 cm / 59 inch (centre of display). This results in a good reading angle and comfortable operation of the display unit/ operating unit combination for smaller people as well. The operating unit should be attached **below** the display unit.

Multiroom Planer V2.00

The new Multiroom Planner doesn't just calculate the correct address assignment for the M219 Side room amplifiers and M217 Wall-mounted displays, it also calculates the slot addresses for the M200 series Re:control products in the side room. Take advantage of the possibility to be able to determine in advance, all M200, M219 and **M217** addresses simply and quickly and at the same time save the information as system documentation. You will find more information about addressing the M219 in the side room, on Page 13 of this manual.

You can download the new Multiroom Planner V2.00 free-of-charge from the download area of the Revox Homepage, under www.revox.com.

Danger warning



Improper mounting of this device in an environment with low-voltage products (230 V AC) can cause serious health problems or damage to property. This product is intended for connection to extra low voltage circuits and may never be connected to low voltage (230 V AC). The device may only be mounted, connected and removed by qualified personnel. Qualified personnel are persons who are authorised to perform the required tasks and recognise and prevent possible dangers thanks to their education, experience and instruction in the relevant standards, requirements and accident prevention regulations. The information and instructions in this installation manual must always be observed to avoid danger and damage.

Installation



Installation of the wall display in combination with a low voltage device (power connection) should only be carried out if you are certain that the unit is isolated from the power source.

Installation should be carried out in accordance with the valid national domestic installation guidelines, e.g. NIN.

In particular, the directive NIN 4.9.1.ff is valid if the wall display is to be combined with a low voltage device with power connection.

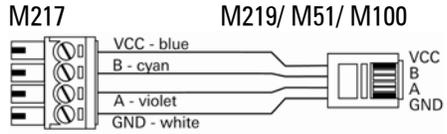
Combinations with low voltage devices are only permitted if these devices also have a simple basic insulation.

Connection

Revox recommends using a 4-lead telephone cable (1 x 4 x 0.5 mm²) with an RJ11 plug (6P4C modular) for connection to the Revox multiroom system or Revox secondary M219 room amplifier.

Maximum cable length: 100 m

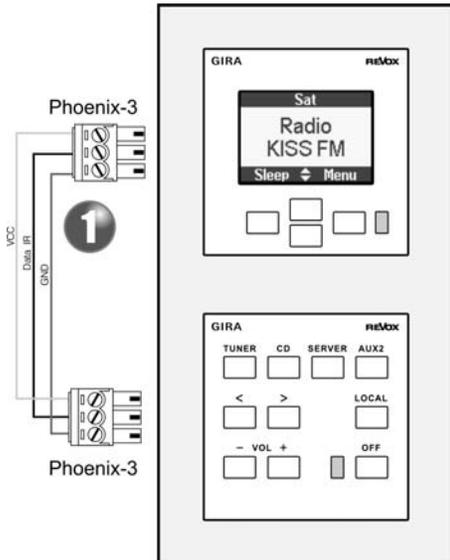
Max. cable resistance: 0.1 Ω/m



1

The cabling for the combination of the 217 display and the 218 keypad should be done as shown in the drawing. With the combination solution, the 218 keypad only has a connection to the 217 display. There is no direct connection to the Additional room amplifier.

Connection ① comes preassembled with the combination solution.

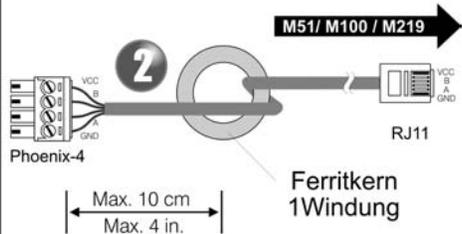


2

Via the connection ② the M217 is directly connected to the devices Re:system M10, M100, M51 or in case of a Multiroom installation to the corresponding room amplifier M217. The ferrite ring is included in the delivery of the M217 (except for Feller).

Tip

Before laying cable ②, you should check whether this cable is suitable for an RJ11 socket.



Combination :
 Display unit M217 and
 keypad M218 (optional)

GIRA M217

The company Gira offers the M217 wall display, which is compatible with the REVOX Multiroom system.

The M217 display unit shows the most important functions and information from a Revox Multiroom System in the primary and secondary rooms.



Combination M217 + M218 (optional)

Ideally, the M217 display unit is combined with the M218 operating unit, which enables easy and logical operation of the music system. A connection cable is included in the scope of delivery of the M217/M218 control unit.

Note:

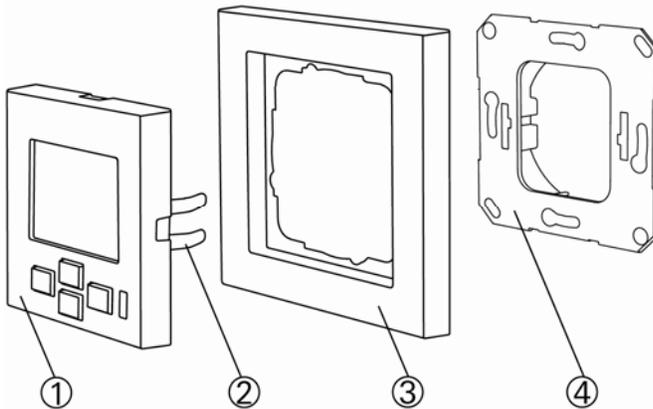
The illustrations on this page show the M217 display with the Gira Esprit frame, which is not included in delivery.

Installation procedure



You should avoid applying any pressure to the display during or after installation.

1. Screw the mounting fixture (4) onto the recessed or surface mounted box.
2. Strip the insulation off the installation cable and feed it through the mounting fixture (4).
3. Connect the cable to the Phoenix screwed terminal block.
4. Connect the terminal block with the print connector on the back of the operator panel (1)
5. Locate the operator panel (1) with its frame (3) onto the mounting fixture (4), so that the clip connectors (2) on the panel (1) line up with the cut-out (5) in the mounting fixture (4).
6. Press the operator panel (1) onto the mounting fixture (4) until the clip connectors clip into place.



DIP switches (back)

The basic settings are configured with the DIP switches on the back of the M217. Use a small screwdriver for this purpose.

Feller EDIZIOdue 4217.M

The Swiss company Feller offers the 4217.M wall display from their EDIZIOdue series, which is compatible with the REVOX Multiroom system.



The wall display should be installed in combination with the 4218-M keypad. A connection cable is supplied with the Feller 4217/4218.XXX.2x1 wall combination.



Combi solution 4217.M + 4218.M

Advice

The IR receiver must be activated if the wall display is used on its own without a 4218.M keypad. In this case, the DIL switch 1 on the back of the wall display must be switched on (IR on).

Revox recommends the use of ITPlus® RJ45 sockets for the interface to the main system (Re:system) and/ or the M219 side room amplifier.

Single socket = 1198-118.XXX.ITS;
double socket = 1198-428.XXX.ITS.

The 1900-0.XXX throughway boxes are recommended for speaker cable.

Please note

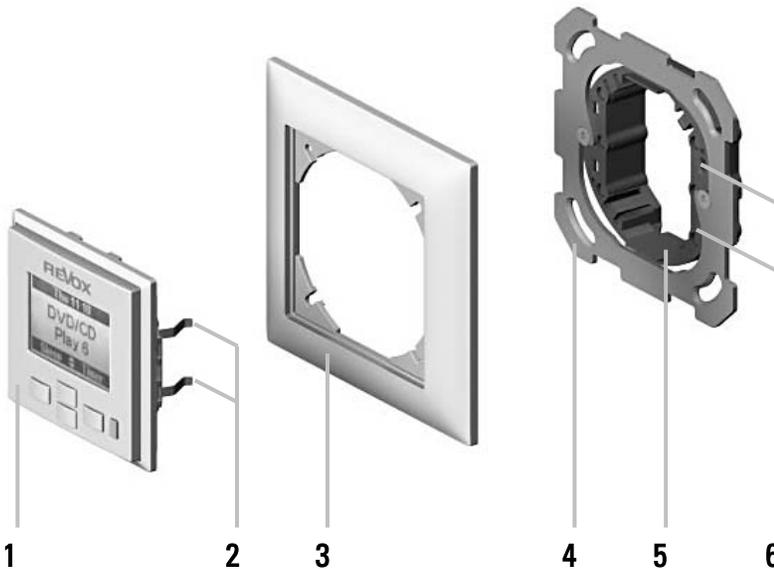
The EDIZIODue wall display may not be used to switch 230V low voltages.

Installation procedure



You should avoid applying any pressure to the display during or after installation.

- 1) Install the mounting fixture (5) with the fixing plate (4) onto the recessed box or the surface mounted box on the wall.
- 2) Strip the insulation off the U72 installation cable and feed it through the mounting fixture (5).
- 3) Connect the cable to the screwed terminal block.
- 4) Connect the terminal block with the print connector on the back of the operator panel (1).
- 5) Locate the operator panel (1) with its frame (3) onto the mounting fixture (5), so that the locating springs (2) on the panel (1) line up with the slots in the mounting fixture.
- 6) Press the operator panel (1) onto the mounting fixture (5) until the springs clip into place.



Jung / Merten M217

Revox offers the M217 for the Central European market in different designs from the Jung and Merten companies. You can see from the list on the right, which designs are available from each of the manufacturers.

The wall display should be installed in combination with the M218 wall-mounted operating panel.

A connection cable is supplied with the M217/ M218 combination solution.

Combination solution
M217 + M218



Available designs

JUNG

JUNG CD 500 / universal

JUNG CD plus

JUNG LS990 / LS plus

Colours: Alpine white

Other colours and designs are available on request at additional cost, if applicable.

merten

Merten M-SMART

Merten M-ARC

Merten M-PLAN I/II

Merten M-PLAN glass frame

Colours: *Polar white*

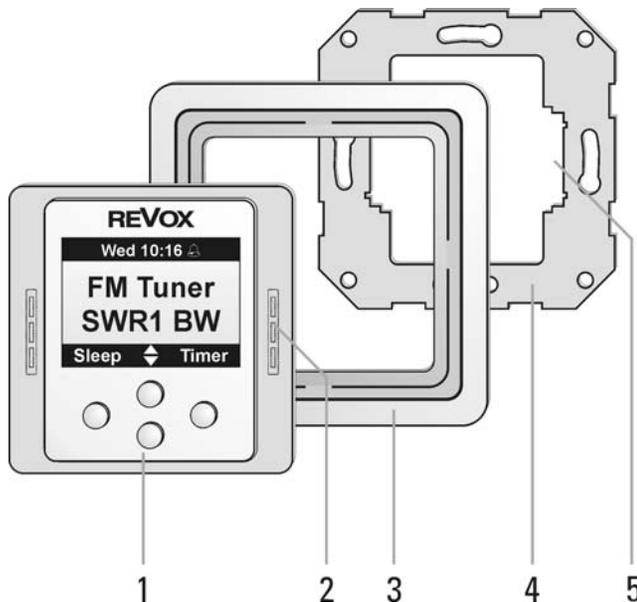
Other colours and designs are available on request at additional cost, if applicable.

Installation procedure

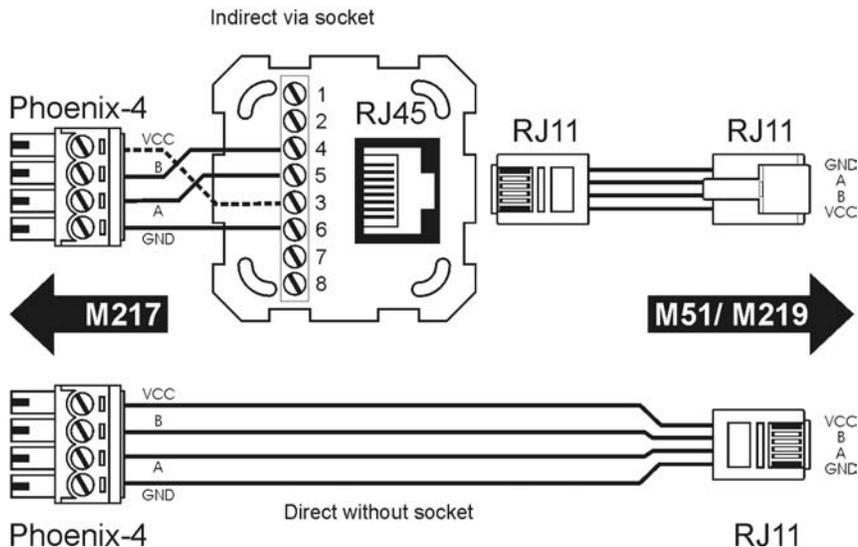


You should avoid applying any pressure to the display during or after installation.

- 1) Screw the mounting fixture (4) onto the recessed or surface mounted box.
- 2) Strip the insulation off the installation cable and feed it through the mounting fixture (4).
- 3) Connect the cable to the Phoenix screwed terminal block.
- 4) Connect the terminal block with the print connector on the back of the operator panel (1).
- 5) Locate the operator panel (1) with its frame (3) onto the mounting fixture (4), so that the clip connectors (2) on the panel (1) line up with the cut-out (5) in the mounting fixture (4).
- 6) Press the operator panel (1) onto the mounting fixture (4) until the clip connectors clip into place.



Connection plan M217



Setup and operation

The wall display must be connected to a Revox Re:system device or a Revox M219 Additional room amplifier for setup.

Advice

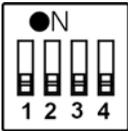
Information about and support for setup and operation can be found in the Revox manuals.

Technical data

Protection	IP20 in accordance with IEC529; Dry installation
Build-in depth	20 mm
Temperatures	Operation: -5°C to +45°C Storage: -25°C to +70°C
Cable	Installation cable U72 ABG 1 x 4 x 0.5mm ²
DIL switches	<i>Factory settings</i> 1: IR off 2: AB operation off 3: Address off 4: Address off

M217 Configuration

The basic settings for the M217 are made with the four DIL switches on the back of the unit. Use a small screwdriver or the point of a ballpoint pen to set the switches.



Please note:
ON is with the switch in the upper position.

Important

The addressing of the M217 and the M219 must be setup correctly to ensure error free operation. The configuration must be done while the unit is removed from the power, otherwise any changes made will not be effective.

NO	Function	Factory setting
1	M217 IR eye on/off	On
2	A/ B operation	Off
3	M217 Address	Off
4	M217 Address	Off

M217 Infrared receiver on/off

If you are combining the M217 display with the M218 remote control, which also has an IR receiver, one of the two IR receivers must be disabled, as otherwise IR commands will be carried out double.

In some cases, e.g. in buildings with glass internal walls, it can be advantageous to switch of the IR receiver on the M217, in order to avoid conflicts with other devices.

The only switch that can be set during operation of the unit is DIL switch 1 for the IR receiver.

IR Function	DIL switch 1	DIL position
IR - On	On	
IR - Off	Off	

With the M217, the integrated IR receiver is located in the lower right-hand display field.

M217 Address setting

Connection to a Re:system device (M10, M100, M51)

If the M217 is connected directly to a Re:system device (M-Link) the address setting is not significant. The M217 will be recognised automatically.

Connection to the M219 side room amplifier

If, on the other hand, the M217 is to be connected to a M219 side room amplifier, address setting is very important. The M217 address defines which M219 should be communicated with. In this way, the M217 address is set through **DIL switches 3 & 4**, based on the M219's address.

Use the free-of-charge **Multiroom Planner 2.00** software from Revox for the addressing. You will find more about this under www.revox.com.

The M218 keypad is not taken into account during addressing as it has no own address. The M218 keypad can always be connected to a M219 Additional room amplifier or a M217 display.

*Example: If the M219 has **address 2**, **address 2** must also be set at the M217 Display.*

Address	DIL switch 3	DIL switch 4	DIL position
1	Off	Off	
2	Off	On	
3	On	Off	
4	On	On	

Within in one zone, all M217s must have different addresses as otherwise there can be communication problems. The maximum number of M217 in any one zone is restricted to 4.

The revisal of a correct addressing is made in the Setup menu of the Re:system device, category *Multiroom | Version*. All attached devices (M219 and/or M217) must be listed in the respective zone.

A/B Operation: 2 displays control one side room amplifier

The Multiroom system from Revox allows one M219 to be controlled by two M217s, the so-called **A/B operation**. In this way, for example, an M217 could be installed on each side of the bed.

In A/B operation, the second M217 has the same address set through DIL switches 3 & 4 as the first M217, but with **DIL switch 2 activated**. In this way, the first M217 works in **A** and the second in **B** operation.

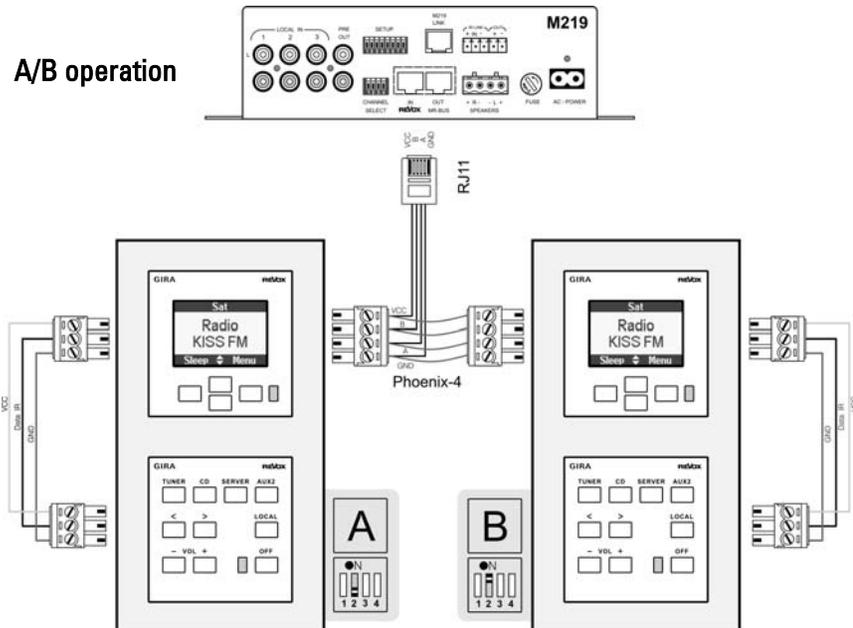
This setting is defined through **DIL switch 2**.

Operation	DIL switch 2	DIL position
A	Off	
B	On	

Both M217 Displays are simply connected in parallel to the M219.

Exception: No A/B operation is possible if connection is made to a Re:system device.

A/B operation



MAIN MENU

The main menu shows you clearly detailed information in the M217 display. The control is effected either by the connected wall control unit M218 or by a IR remote control.

Display operation

The M217 menu fulfills two tasks.

The first task is the display of information about the current music program. The selection of the audio source is done through the M218 keypad respectively the remote control (IR).

The second task is the operation of the timer, including the Sleep function. The M217 offers 4 independent timers for each room.

Operating with Softkeys

Softkeys are used for control so that the M217 display remains clear to use, in spite of the large number of options available.

A Softkey is a key that can be assigned different functions depending on which menu is currently active. This avoids an overcrowded display as only current important functions are displayed.

Furthermore, the Revox-menu control is designed in such a clear and simple way as to make the operation of the M217 intuitive.

Setting the display contrast

The contrast of the display is adjusted by Revox to an optimal reading angle.

Depending upon installation position it can occur however that a stronger or weaker contrast attitude supplies the better reading off result. This contrast attitude can later be made with the help of the two marked softkeys in the Standby mode.

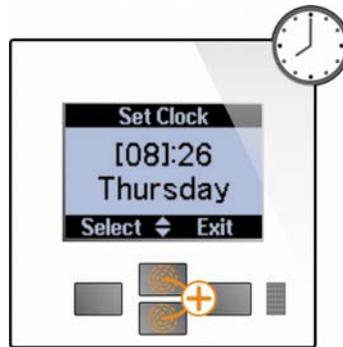
Hold down the respective softkey button for several seconds.



Setting the time in the side room

The time can also be set from a side room, assuming that an M217 Wall-mounted display is being used.

Switch the side room off and press and hold the two highlighted keys for approx. 2 seconds. The display now changes to the **Set Clock** mode. Here, you can set the time and the weekday using the 4 keys on the M217 display. The **Exit** key returns you to the normal operating state.



ⓘ Display contrast setting

If you only press one of the highlighted display buttons, you modify the display contrast setting.

TIMER MENU

The Timer is the control centre of the Multiroom system. Using the Timer, you can set a wakeup alarm for specific days or lull yourself off to sleep with the Sleep function.

The Timer is called with the **Timer** softkey on the M217.

The first time it is called, the following display appears:

```

Timer 1 [A]
0:00-0:00
M*****
Volume 5
Tuner --
Select [D] Timer

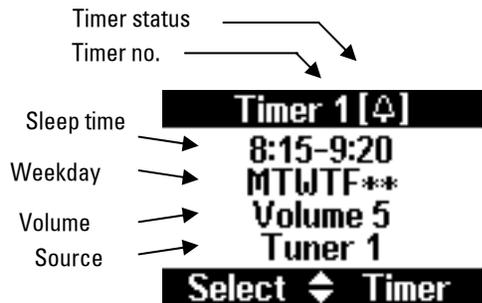
```

Timer programming

The concept of the timer programming is as follows:

Firstly, you select one of the four **Timers** and then assign it the required properties.

The following figure shows the inside Timer display field with the corresponding assignments.



Timer selection

Select

Timer 1 [4]
8:15-9:20
MTWTF**
Volume 5
Tuner 1
Select  **Timer**

Timer 1 has been selected in the above example. The individual Timers can be selected with the **Timer** soft keys. There are a total of 4 independent Timers to choose from. If you reach **Timer 4**, pressing the softkey again brings you back to **Timer 1**.

Timer 1
 Timer 2
 Timer 3
 Timer 4



The Select options

Select

The properties of the individual **Timers** can be set with the **Select** softkey:

- ① **Switching time**
- ② **Weekday**
- ③ **Volume**
- ④ **Select timer source**
- ⑤ **(Select tuner station)**

You can scroll through a loop of the selection options by repeatedly pressing the **Select** key:

Switch-on time [Hours]
Switch-on time [Minutes]
Switch-off time [Hours]
Switch-off time [Minutes]
Weekday [...]
Volume [...]
Timer source [...]
(Tuner station [...])



The two square brackets [...] indicate that this part can be edited according to your requirements with the softkeys .

① Switching times

Select

Once you have selected a **Timer**, you can define the switch on/off times with the **Select** softkey. The first time the **Select** key is pressed, the first counter pair appears in square brackets. 

As soon as a timer's settings are modified however, this is automatically activated.

```

Timer 1 
[8]:15-9:20
MTWTF**
Volume 5
Tuner 1
Select  Timer

```

First, using the  softkeys, you define the **switch-on time** and then the **switch-off time**.

Switch-on		Switch-off
Hours	Minutes	
[8]:[15]	- [9]:[20]	

Please note

If a timepoint is selected for the switch-off, which is earlier than that chosen for the switch-on, e.g. **20:15 – 08:30**

the switch-on occurs at 8.15pm on the selected day and switch-off occurs at 8:30am, on the *following day*.

Only switch on or off

Sometimes, it is useful just to switch the music equipment on at a specific time and switch it off manually, or vice-versa.

In order to make only **one** timepoint active, you select the display ****:*** when setting the hours value. This appears between **23h** and **0h** and the minute value is not relevant.

```

Timer 2 
***-21:30
Timer 1 
7:15-***
MTWTF**
Volume 5
Tuner 1
Select  Timer

```

In the above example, **Timer 1** starts at 7:15am and remains active until it is switched off manually. **Timer 2** always switches off at 9:30pm, irrespective of when it was manually switched on.

② Weekday

Select

Once you have defined the switch-on and switch-off timepoints, by pressing the **Select** key again, you can reach the next stage where you define the weekdays when the timer is to be activated. 

Timer 1 
8:15-9:20
[MTWTF]**
Volume 5
Tuner 1
Select  **Timer**

M
T
W
T
F
S
S
SS
MTWTF
MTWTFSS
MTWTFSS



As well as the individual days from Monday to Sunday, you can also select from specific day groups.

The individual weekdays are identified by the following letters:

- M** → Monday
- T** → Tuesday
- W** → Wednesday
- T** → Thursday
- F** → Friday
- S** → Saturday
- S** → Sunday

Selection is made from an endless loop of options that you can step through using the softkeys . The following weekday setup options are available:

Timer weekday examples:

SS
 → only Saturday and Sunday

MTWTF
 → from Monday to Friday

MTWTFSS
 → from Monday to Saturday

MTWTFSS
 → daily, Monday to Sunday

Example:
 With the setting **MTWTF**, the timer will wake you each day from Monday to Friday but will let you have a lie-in on Saturday and Sunday.

③ Volume

Select

After selecting the weekday(s), the next time you press **Select**, you will be prompted to set the volume level that should be used. 

```

Timer 1 
8:15-9:20
MTWTF**
[Volume 5]
Tuner 1
Select  Timer

```

Using the  softkeys, you set the volume level between **1** (very low) and **9** (very loud).

Volume 1
 Volume 2
 :
 :
 :
 Volume 8
 Volume 9



④ Select timer source

Select

The Multiroom module timer offers your three sources that can be activated when the timer kicks in. These are **Tuner**, **DVD/CD** and **Aux/Server**.

```

Timer 1 
8:15-9:20
MTWTF**
Volume 5
[Tuner] 1
Select  Timer

```

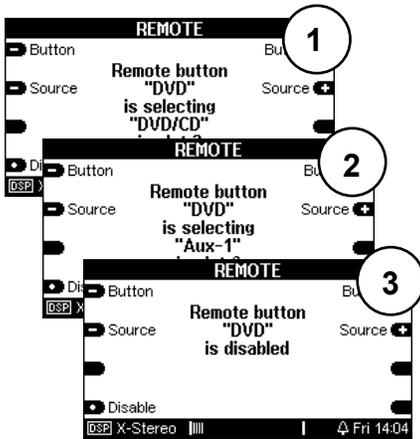
Please note

When selecting the source, you should bear in mind that the source that will be selected is what was assigned to the Tuner, DVD/CD or Aux/Server through the **Remote** menu.

If instead of assigning **DVD** to the **DVD module** (Fig ①), **Aux-1** is assigned instead (Fig ②), the timer would switch **Aux-1** on. (See therefore next page)

This function can be used specifically to call up external sources through the timer.

You must of course make sure that the external source is also active when it is called by the timer.



↑ Remote menu Re:system

The third option in the **Remote** menu is to deactivate a source (Fig ③). In this case, the timer would not call up any source at the defined timepoint, even though a source had been defined in the **Timer** menu.

① You can find further information on this topic in the corresponding user manuals of the Re:system devices under the function **REMOTE**.

⑤ Select Tuner station

Select

Assuming that you have selected **Tuner** as your source, a further press of **Select** will bring you to the point where you can select the station you want to listen to.

If you have selected **DVD/CD** or **Aux/Server** on the other hand, you will return to the Switching times selection level.



In this field, you can select the radio station that should be played by choosing one of the up to 50 stored favourite stations.

If you select a number that is higher than the actual number of stored positions, the station stored on position **1** will automatically be played.

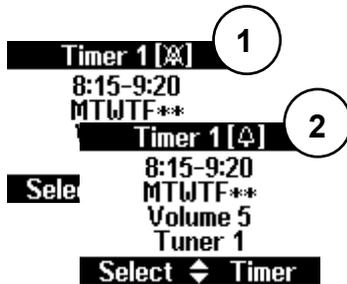
Example:
 25 stations are stored but the station number **30** is selected through the **Select** option. In this case, station **1** will actually be played.

Activate Timer



As default, the individual Timers are deactivated.

As soon as the switching times of a Timer are modified, the corresponding Timer is activated automatically and the small bell symbol in the top line of the display changes from showing ① to ②



Each of the Timers can however be activated or deactivated manually.

To activate a Timer, selected the required Timer with the **Timer** softkeys. Using the **[↔]** softkeys, the Timer can be activated or deactivated.

Timer status & time display

If one or more Timers are activated, two bell symbols are displayed when the M217 is in standby mode. Both bell symbols only disappear once all Timers have been deactivated.

The time and the weekday display are controlled through the Multiroom module.

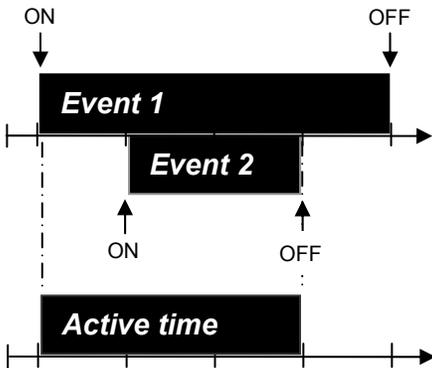
Please refer to the *Clock setting* section on page 16 or of the *Multiroom* chapter in the corresponding Operating instructions.



Nested events

Through the Timer programming, you can create nested events. Nested events occur when two different events address the same source and at the same time.

In our example, **Event 1** and **Event 2** have a time overlap. Since they both address the same source, **Event 1** defines the switch-on point while **Event 2** defines the switch-off time.



ⓘ In the case of nested events then, the event that occurs at an earlier timepoint defines the switch-on and/or switch-off timepoints.

Sleep function

Sleep

Using the **Sleep** function, you can define a length of time after which the Re:system device or the M219 will automatically switch off.

By repeatedly pressing the **Sleep** softkey, you can step through a loop in 15 minute steps, to set the required time period. The loop starts with 90 minutes and ends with switching the **Sleep** function off.

- 90'
- 75'
- 60'
- 45'
- 30'
- 15'
- OFF**



The current **Sleep** time setting is shown in the top line of the display.

Sleep '60 ↕

FM Tuner

SWR1 BW

Sleep ↕ Timer

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 M217 Display without any accessories to your national Sales Office.

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

Care

Clean the user surface, including display and keys as well as the frame, with a damp cloth. Apply a few drops of non-abrasive, washing-up liquid to the damp cloth to remove any stubborn marks.

WARNING: Thinners, acetone and toluene should not be used. Their use can cause the material to become brittle and crack and damage the lettering.

Disposal

Revox products should be disposed of or recycled in compliance with local regulations governing the disposal and/ or recycling of electrical and/electronic equipment.

Delivered items

- M217 wall display
- Operating instruction
- Toroidal core

Kontakt/ Contact

Deutschland / 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

Schweiz / Switzerland

Revox (Schweiz) AG

Wehtalerstrasse 190, CH 8105 Regensdorf

tel +41 44 871 66 11, fax +41 44 871 66 19

info@revox.ch

www.revox.ch

Österreich / 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

Irrtümer und technische Änderungen vorbehalten. E&EO

M217 Display Operating instructions / Part no.: 10.30.3019