marantz®

Model RC9500 User Guide

Touch Screen Remote Control

Wizz.9

For US and Canada

FCC Compliancy:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rule. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy and , if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is not guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the RX-77 RF Extender.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a different circuit from the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Europe

Declaration of Conformity N° V04ECRC9500:

We, Marantz Europe B.V., PO Box 8744, 5605 LS Eindhoven, The Netherlands declare under our responsibility that the Marantz product described in this user guide is in compliance with the corresponding technical standards such as EN301 489-1 of 2002-08, EN301 489-3 of 2002-08, EN300 220-1 of 2002-09 and IEC60950 of Edition 2001.

Eihdhoven, The Netherland

Bert Kiggen
Marketing manager of Marantz Europe B.V.
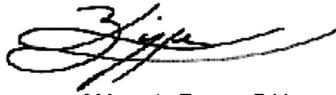
This device can be used in:

| AT ✓ | BE ✓ | CH ✓ | DE ✓ | DK ✓ | GR ✓ | ES ✓ | FI ✓ |
| FR ✓ | IRE ✓ | IT ✓ | LU ✓ | NL ✓ | PT ✓ | SE ✓ | UK ✓ |

CE0682①

Dear customer,

Please be informed that this carton only contains a copy of the user manual in English. For German, French, Dutch, Spanish and Italian please visit our website www.marantz.com and check the download section (touch screen remotes).

Sehr geehrter Verbraucher,

bitte beachten Sie, dass diese Verpackung lediglich eine englischsprachige Bedienungsanleitung enthält. Eine deutsche Bedienungsanleitung erhalten Sie als Download File (Software - Fernbedienungen) über unsere Internetseite www.marantz.de oder telefonisch unter 0541-4046630.

Cher client,

Vous trouverez dans cette boîte une copie du manuel d'utilisation en anglais. Les versions allemande, française, hollandaise, espagnole ou italienne sont disponibles sur notre site: www.marantz.com (choisir Download et Touch screen remotes).

Geachte klant,

Wij informeren u dat deze doos enkel een engelse gebruiksaanwijzing bevat. Voor gebruik van een duitse, franse, nederlandse, spaanse of italiaanse versie verwijzen we u naar onze website www.marantz.com waar u talenversies kunt downloaden via touch screen remotes.

Estimado consumidor,

Le informamos que este paquete sólo contiene la versión inglesa del manual de usuario. Si desea obtener la versión española, alemana, francesa u holandesa, podrá conseguirla en nuestra página web www.marantz.com, sección "download, touch screen remotes" (mandos con pantalla táctil).

Attenzione: le istruzioni per l'uso a corredo di questo telecomando sono soltanto in lingua inglese. Le istruzioni in tedesco, francese, olandese, spagnolo ed italiano sono scaricabili dal sito www.marantz.com sezione "DOWNLOAD" - Touch Screen Remotes.

Automating Your Home Theater
With The Marantz Wizz.9 RC9500

Wizz.9 RC9500 Remote Control User Guide

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Introduction

1. The Marantz *Wizz.9* RC9500

The RC9500 is designed to control most devices that understand
infrared (IR) remote control signals. Its Easy-to-Use Touch Screen and
its Intuitive Interface makes it a perfect remote control for every user.
The RC9500 is completely customizable and programmable. You can
add devices and functions, re-label buttons, record macros and animate
your macros. Although the RC9500 is pre-programmed for Marantz
components, a vast collection of built-in tab guided panels with pre-
arranged button art enables you to easily choose the perfect interface
for any non-Marantz component. The RC9500 easily "learns"
commands from the vast majority of manufacturers' remote controls.

Learning / Sending
Infrared (IR) Eyes (page 28)

USB Port →
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VOLUME Up/Down
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MENU
button (page 11)

ENTER
button (page 11)

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4-Way Cursor
buttons (page 9)

EXIT
button (page 11)
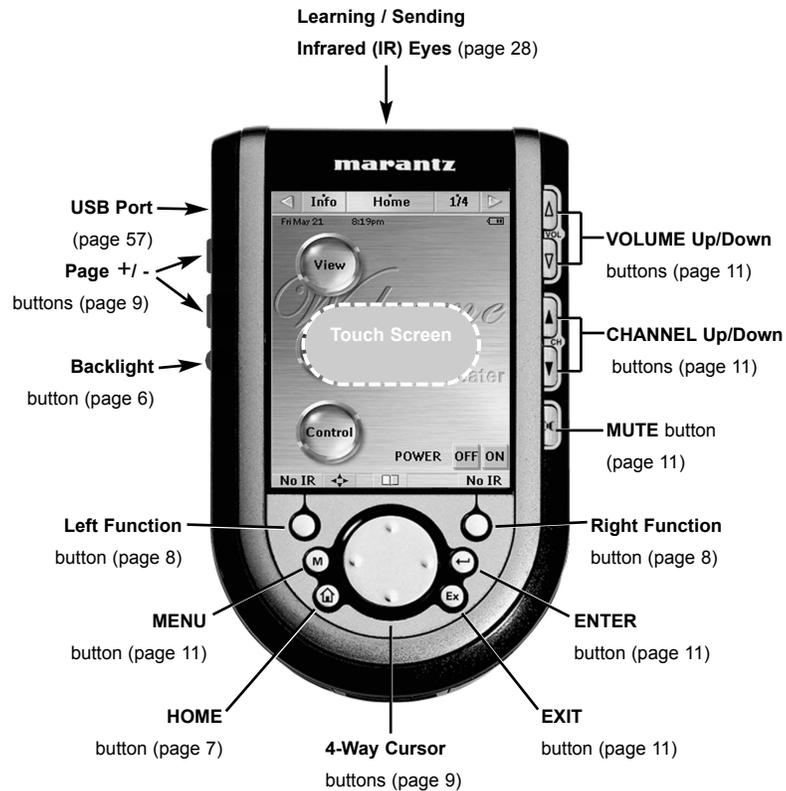
Introduction

■ The Touch Screen

DEVICE OVERVIEW
button (page 8)

INFO
button (page 3)

PAGE OVERVIEW
button (page 9)

DEVICE SCROLL
button (page 9)

DEVICE SCROLL
button (page 9)

UPPER TOOL BAR ➤

Fri May 21   8:19pm

Main   EFX   Mode   Extra

DVD	SACD	DSS
D-VHS	CD-R	Tuner
VCR 2	Tape	TV
LD	AUX1	AUX2

Off   7.1ch In   On

OFF   POWER   ON

USER CONTROL AREA

LOWER TOOL BAR ➤   Back   ◆   ▢▢   Ahead

CURSOR NAVIGATION
button (page 9)   **MODE** icon
(page 7)
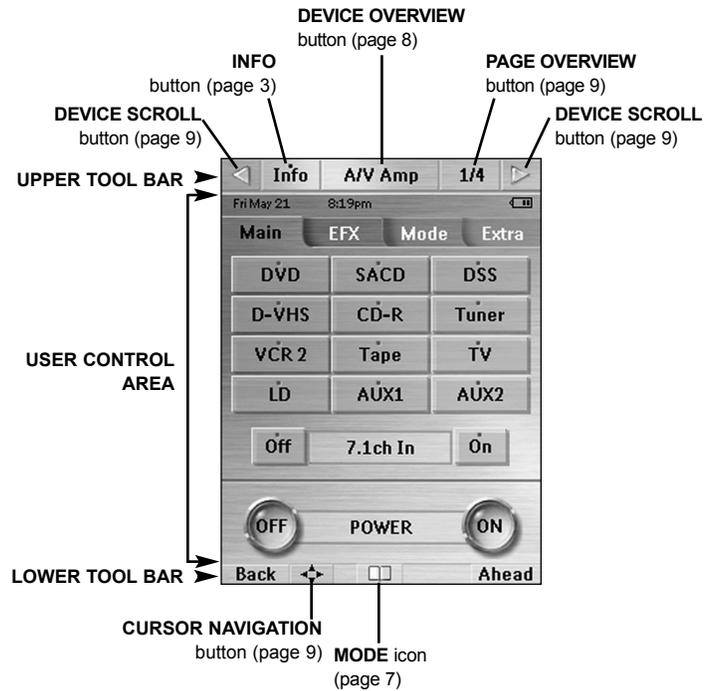
2.   The Battery

When you use the RC9500 for the first time, you will have to:

- Install the battery pack.
- Place the RC9500 in the docking station (DS9500) and charge the RC9500.
- Tap the **INFO** Info button on the UPPER TOOL BAR to check battery life.

Warning Use the docking station only with supplied NiMH rechargeable battery pack.
We strongly advise you NOT to plug other appliances (like mobile phones, PDA's) into the docking station. This will damage both the docking station and the appliance.

User Guide

3

Introduction

▉ Installing the Battery Pack

1 Press the latch on the battery cover and remove the battery cover from the RC9500.
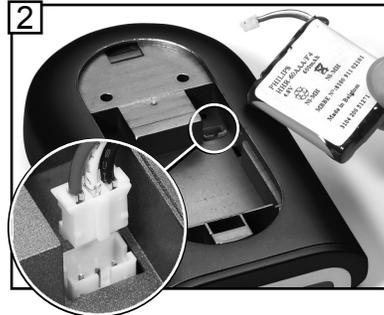
2 Plug the cable of the battery pack in the connector as illustrated.

3 Place the battery pack in the battery compartment.

4 Place the battery cover back on.

Note Make sure the cable of the battery pack does not get stuck between the molded interior and the battery cover.

After a few seconds, the RC9500 starts up automatically and an introduction screen appears. The RC9500 beeps twice to indicate that it has finished starting up.

Because the battery pack of the RC9500 is not fully pre-charged, you will have to charge it as described in the next page.

■ Charging the RC9500

For charging the RC9500, you use the docking station DS9500.

1 Connect the power adapter to the docking station and plug it into a wall outlet.

Note Use only the supplied power adapter with the docking station.

2 Slide the RC9500 into the docking station until it clicks. Charging starts immediately. The blue charging LEDs on the front of the docking station indicate charging takes place.

When the RC9500 is fully charged, the LEDs are turned off.

DS9500
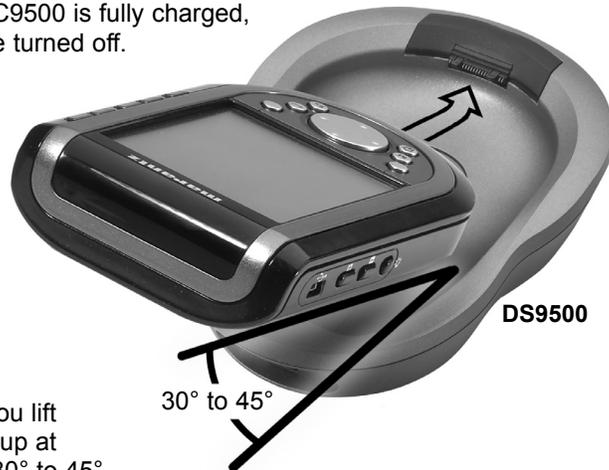
30° to 45°

Make sure you lift the RC9500 up at an angle of 30° to 45° when you take the RC9500 out from the docking station.

Note Normal charging time is 2 to 3 hours, depending on the condition of the battery pack.
You can operate the RC9500 while it is being charged.
The battery pack does not have to be entirely empty before recharging.
You can place the RC9500 in the docking station at any time.

When the battery is running low, the Low Battery icon appears.
Recharge the RC9500 as soon as possible to ensure the perfect performance.

LOW

Low Battery icon

Note The RC9500 retains all settings when the battery is completely empty. You will only have to adjust the clock.

Getting Started

1.   Activating the RC9500

. . . .

■ Turning on the Touch Screen

■ Tap the Touch Screen gently with your finger or a blunt, soft object like a pencil eraser, press the hard buttons or pick the RC9500 up.
The display is activated and you will see the Home page.

Notes · If the display stays blank or becomes black, adjust the brightness using the buttons on the left side.
(see page 17)
· If another panel is displayed, press the **HOME** button.

HOME

· The RC9500 shuts down automatically after being left alone for a few seconds (you can adjust the time out period in the Setup pages).

■ Using the Backlight

RC9500's backlight can be activated in three different ways,

■ **Pressing the BACKLIGHT button**
By pressing the **BACKLIGHT** button on the left side of the RC9500, the backlight for the screen and keys is turned on.

■ **Picking up the RC9500**
The RC9500 has the Pickup sensor in it. By picking your RC9500 up from the docking station and tilting more than 50°, the backlight is turned on.
Note   To enable this function, the "Pickup sensor" setting in the Setup has to be set to "On". (see page 13)

■ **Tapping the Touch Screen**
By tapping the Touch Screen, the backlight is turned on.
Note   If the "Auto button light" setting is set to "Off", button backlight will not be turned on automatically. (see page 13)

The backlight shuts off after the preset time to save power. (see page 13)
Note   The backlight will not turn on at the certain low battery level but the remote will still function.

■ Modes

The RC9500 has different "**Modes**". When you activate the RC9500 for the first time, it starts up in **USE** mode allowing you to immediately operate your devices. In **USE** mode, the center of the LOWER TOOL BAR displays the **MODE** ⎕⎕ icon .Tap and hold the **MODE** ⎕⎕ icon more than 3 seconds. The Mode Menu page will appear. If the center of the LOWER TOOL BAR shows another icon, like LEARN , tap it to reveal the Mode Menu and press the **Left Function** button labeled "**Exit**" to return to **USE** mode.

Note   If you do not see the Mode icon; it has been inactivated via the Setup. To enable this function, the "Mode menu" setting in the Setup has to be set to "On". (see page 13)

2. | Navigating the RC9500

Your RC9500 is capable of displaying hundreds of different control pages. RC9500 presents you various ways to navigate easily to the specific device and page.

■ Navigating the Devices

Home — The Home Page displays convenient *instant jump* buttons that navigate you to the main category pages (View, Listen, Control).
Each category page has the buttons that link to the most frequently used devices in the home theater.
You can jump to the main control page of your device by tapping the button in the page.

Access the Home page by pressing the **HOME** button at the bottom left of the remote.

Note   When you jump to a Device by tapping the device button in the Category pages (except the Control), the RC9500 will change the input of your home theater receiver/preamp.

Getting Started

Device Overview

— The Device Overview page displays a list of all the devices you can control. You can jump to the main control page of your device by tapping the device button in the list.

Access the Device Overview page by tapping the **DEVICE OVERVIEW** button at the middle of the UPPER TOOL BAR.
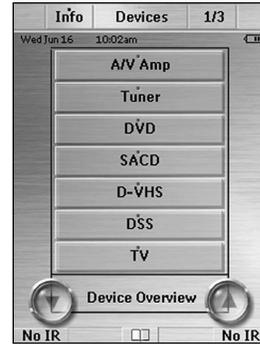
When you jump to a Device by tapping the device button in the Device Overview pages, the RC9500 will change the input of your home theater receiver/preamp.

Note   The commands assigned to the device button are called the **Device Actions**.

If you have more than seven devices, scroll arrows allow you to navigate to the next Device Overview page.

● Using Device Overview **without Changing Input (No IR)**
If you don't want to change the input for your receiver/preamp, you can only jump to a Device without changing the input by the following steps;

1.   Display the Device Overview page, by tapping the **DEVICE OVERVIEW** button.

2.   Look at the label for the **Left** and **Right Function** buttons. At this moment, they are labeled "**No IR**".

3.   Press and hold either one of the **Left** and **Right Function** buttons, then tap the device you would like to jump to. No "input select" commands will be sent to your receiver/preamp.

Device Scroll — You can also navigate the devices by tapping the **DEVICE SCROLL** buttons on the left and right side of the UPPER TOOL BAR. Tap the Right arrow button to navigate to the next device. Tap the Left arrow button to navigate to the previous device. ◁ Info A/V Amp 1/4 ▷

Note   This function is not able to use in the Device Overview page.

Cursor Navigation — This function enables you to navigate to the devices by pressing the **Left** and **Right** direction of the **4-way Cursor button**.

Note   This function is inactivated by the default setting.
You can activate it in the **Setup** pages. (see page 13)

To activate this function, tap the ✛ button in the LOWER TOOL BAR. When this function was activated, the ✛ button is changed into the ✛ button and ✛ icon is displayed in the UPPER TOOL BAR where the left device scroll arrow button ◁ was displayed. To inactivate this function, tap the ✛ button in the LOWER TOOL BAR again.

✛ Info A/V Amp 1/4   Back ✛ ▥ Ahead

Navigating the Pages

Page Overview

— The Page Overview page displays a list of all the pages for one device. You can jump immediately to another control page in one device by tapping the page buttons in the list.

Access the Page Overview page by tapping the **PAGE OVERVIEW** button (Page number) in the UPPER TOOL BAR.

◁ Info A/V Amp 1/1 ▷
Wed Jun 16 10:02am
Main
EFX
Mode
Extra
Page Overview
Back ▥ Ahead

◁ Info A/V Amp 1/4 ▷

Getting Started

Page Scroll — You can navigate through the pages by pressing the **Page +** and **Page -** buttons on the left side of RC9500.

Cursor Navigation — This function allows you to navigate through the different pages as well as through the devices by pressing the **Up** and **Down** direction of the **4-way Cursor button**.

Note   This function is deactivated by the default setting.
You can activate it in the **Setup** pages. (see page 13)

To activate this function, tap the ⬥ button in the LOWER TOOL BAR. When this function is activated, the ⬥ button is changed into the ⬥ button and ⬥ icon is displayed in the UPPER TOOL BAR where the left arrow button ◁ was displayed. To inactivate this function, tap the ⬥ button in the LOWER TOOL BAR again.

Tab Buttons — All of your devices have been programmed with "one-touch" jump buttons called **Tab** buttons. By tapping the **Tab** button, you can jump to the appropriate page of your operation device.

Other Navigation

Ahead and **Back** Function buttons — Press the **Left Function** button labeled "**Back**" to navigate through the last ten pages you've viewed. Use the **Right Function** button labeled "**Ahead**" to navigate in the other direction.
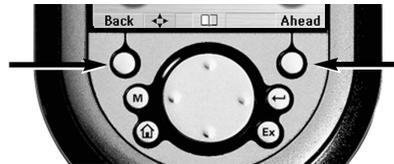
Getting Started

3. Operating a Device

You can operate the devices using two type of buttons:

Soft buttons - Virtual buttons on the Touch Screen.

Hard buttons - Ten buttons below the screen and five buttons next right to the screen.

▌Using the Soft Buttons

By tapping the **Soft buttons** on the Touch Screen you send **Infrared (IR) / Radio frequency (RF)** commands to the device you have selected. The name of the device you are controlling is always displayed on the **DEVICE OVERVIEW** button.

Sending commands
IR and RF commands are invisible. Therefore, during the duration of sending IR/RF commands, an icon appears in the **INFO** button at the UPPER TOOL BAR indicating that an IR/RF command is being sent.

IR/RF sending icon

▌Using the Hard Buttons

The functionality of the hard buttons can be changed depending on which device is active (learn commands to the specific device).
For example: Since VOLUME Up, VOLUME Down and MUTE are typically receiver/preamp commands in most home theaters, these direct access buttons have been pre-programmed to always operate a Marantz receiver/preamp as the default. Should you own another brand, see the programming instructions on page 28-29.
MENU, ENTER, EXIT, 4-Way Cursor, CHANNEL Up and Down are typically programmed to change with the device selected. So when you are operating your DVD player, you use them to navigate through DVD menus and change chapters. While you are watching TV, the MENU button operates the TV menus and the CHANNEL buttons change channels.

Note Five hard buttons on the right side of the screen are always operational, even without turning on the Touch Screen.

Getting Started

4. Check Battery Life - **The Information Page**

Access the Information page by tapping the **INFO** Info button in the UPPER TOOL BAR.
You can check:

The battery life.

The percentage of the free memory available for new programming.

Software version information installed on to your RC9500.

To exit the Information page,
Tap the **INFO** Info button again or press the **Left Function** button labeled "**Exit**".

5. The Setup Pages

Most of the RC9500's features can be set to your own needs.

1 Tap the **INFO** Info button in the UPPER TOOL BAR.
The Information page appears.

2 Tap the "**SETUP**" button in the Information page. The first Setup page appears. You can display the second and third Setup page by using the **Page +** and **Page -** buttons.

3 Tap the button of the setting you want to adjust. The color of the button will be changed.

4 Tap the button again or ⊖ and ⊕ buttons to adjust the setting.

5 Press the **Left Function** button labeled "**Exit**" to store the settings and exit from the Setup.
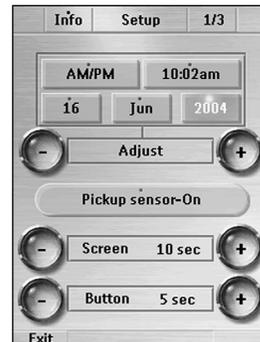
Getting Started

First Setup page

Setting	Function	Adjusting
Time mode	Sets the time display mode. (AM/PM, 24H, No Time)	Tap the Time Mode button Repeatedly.
Time, Day, Month and Year	Sets the Time, Day, Month and Year separately.	Tap each label, and then adjust by tapping + and - buttons.
Pickup sensor	Turns the Pickup Sensor On/Off.	Tap the "Pickup sensor" button
Screen timeout	Sets the timeout of the TouchScreen.	Tap the + and - buttons on both sides of the "Screen" label.
Button timeout	Sets the timeout of the Buttons backlight.	Tap the + and - buttons on both sides of the "Button" label.

Second Setup page

Setting	Function	Adjusting
Brightness	Sets the Brightness of the TouchScreen.	Tap the + and - buttons on both side of the "Brightness" label.
Auto button light	Turns the Auto Button Light On/Off.	Tap the "Auto button light" button
Cursor navigation	Turns the Cursor navigation mode On/Off.	Tap the "Cursor navigation" button repeatedly.
Animation	Selects the Animation mode (Full, Page, Mode, None).	Tap the "Animation" button. repeatedly.
Screen (beep)	Selects the beep volume (Off, 1,2,3) for Touchscreen	Tap the "Screen" button repeatedly.
Button (beep)	Selects the beep volume (Off, 1,2,3) for Hard buttons.	Tap the "Button" button repeatedly.

Third Setup page

Setting	Function	Adjusting
Mode menu	On - Normal. Anyone can access. Off - Hide the MODE icon.	Tap the "Mode menu" button repeatedly
SPECIAL NOTE	Good when children are tech-savvy.	
Device overview	On- The Device Overview active. Off - The Device Overview inactive.	Tap the "Device overview" repeatedly.
Page overview	On- The Page Overview active. Off - The Page Overview inactive.	Tap the "Page overview" repeatedly.
Calibration	Calibrates the Touchscreen.	Tap the "Calibration" button See page 63 for more detail.
Revert*	Reverts the RC9500 to the last downloaded configuration.	Tap the "Revert" button and follow the on-screen instruction

* When you revert the RC9500, all customized items on the remote (macros, learned IR commands,..) are lost permanently. Only the setting items in the Setup remain.

Getting started

6. Setting Time and Date

When you have installed the battery pack and turned on RC9500, you have to set the current time.

Note Every time you reset your RC9500 you will have to set the time again.

■ Changing the Time Format

1 Tap the **INFO** Info button in the UPPER TOOL BAR.
The Information page appears.

2 Tap the "**SETUP**" button in the Information page. The first Setup page appears.

3 Tap the **Time Format** button to toggle between the three time formats:
   ■ 12 hour (AM/PM): This is the default format
   ■ 24 hour
   ■ No time

4 Tap the **Left Function** button labeled "**Exit**" to save your changes and exit the Setup page.

■ Changing the Time

1 Tap the **INFO** Info button in the UPPER TOOL BAR.
The Information page appears.

2 Tap the "**SETUP**" button in the Information page.
The first Setup page appears.

3 Tap the **Time** button in the first Setup page.
The color of the Time button is changed.

4 Tap the ⊖ and ⊕ buttons to adjust the time.

5 Tap the **Time** button again. The new time is set.

6 Tap the **Left Function** button labeled "**Exit**" to exit the Setup page.

■ Changing the Date

1 Tap the **INFO** Info button in the UPPER TOOL BAR.
The Information page appears.

2 Tap the "**SETUP**" button in the Information page.
The first Setup page appears.

■ To Change the Day
1. Tap the **Day** button in the first Setup page.
   The color of the Day button is changed.

2. Tap the ⊖ and ⊕ buttons to adjust the day.

3. Tap the **Day** button again.
   The new day is set.

■ To Change the Month
1. Tap the **Month** button in the first Settings Page.
   The color of the Month button is changed.

2. Tap the ⊖ and ⊕ buttons to adjust the month.

3. Tap the **Month** button again.
   The new month is set.

■ To Change the Year
1. Tap the **Year** button in the first Setup page.
   The color of the Year button is changed.

2. Tap the ⊖ and ⊕ buttons to adjust the year.

3. Tap the **Year** button again.
   The new year is set.

3 Tap the **Left Function** button labeled "**Exit**" to exit the Setup page.

Getting Started

7. The Mode Menu

RC9500 provides different modes. For customizing your RC9500 you have to switch to the appropriate mode via the Mode Menu page.

The mode menus are utilized as follows:

1. Tap and hold the MODE ▢▢ icon more than 3 seconds in the LOWER TOOL BAR. The Mode Menu page will appear.

2. Select the mode you wish to use to customize your RC9500 by tapping the appropriate button on the Mode Menu.

When you operate your devices, RC9500 is in **USE** mode. For actions other than operating (like learning IR commands, recording macros, adding devices, and so on), you have to switch to the appropriate mode:

Learn	For learning IR commands from other remotes.	(Page 28)
Label	For labeling buttons, pages and devices.	(Page 32)
Add	For adding new devices and copying existing devices.	(Page 35)
Delete	For deleting buttons and devices.	(Page 39)
Move	For changing the order of devices in the device overview.	(Page 41)
IR / RF	For selecting the commands sending mode IR or RF.	(Page 54)
Macro	For recording and editing macros.	(page 42)
Timer	For creating and editing timers.	(Page 46)

To switch to another mode

1 Tap the label of the mode (i.e LEARN) that you are using in the
   LOWER TOOL BAR.
   The Mode Menu page appears.

2 Tap the appropriate mode button you want to use.
   The label of the active mode appears in the LOWER TOOL
   BAR. You can now work in the selected mode.

Note	RC9500 will not return automatically to the USE mode. To return to the USE mode, you have to go back to the Mode Menu page and press "Exit" (Left Function button) or press "Cancel" (Right Function button).

8.   Adjusting the Touch Screen Brightness

You can adjust the brightness level of the Touch Screen using the
buttons on the left side of the RC9500.

To adjust the Touch Screen brightness;

1 Press and hold the **BACKLIGHT** button on the left side of the
   RC9500.

2 While still holding the **BACKLIGHT** button, press **Page +** button
   once to increase the brightness one level up (getting brighter).
   Or, press **Page -** button once to decrease the brightness one
   level down (getting darker).

3 Release the **BACKLIGHT** button when the brightness is
   satisfactory. The brightness can be adjusted 4 levels and Off.

Note	To adjust the brightness multiple levels, you have to press the Page + or - button multiple times. When you press and hold the Page + or - button, the brightness will only change one level.
Tip	In the Setup, you can also adjust the brightness and confirm the brightness level which you selected .

Customizing your RC9500

1. | Introduction

It is best to proceed with customizing in several stages.
The first stage is to teach all your existing remote codes to the
RC9500. The second stage is to practice using your home theater
system with the RC9500. As you gain familiarity with your system,
you'll notice that many operations in a home theater require several
steps. In the third stage of customization, you will record multiple
step operations as either a "Macro" that you can play back with one
button push or as a list of numbered steps recorded in a "Help List"
device.

In the next few pages you'll find step by step guidelines on each of
the three stages. If a more detailed explanation exists in the
Reference section, the page number is indicated..

2. | Cloning All Your Existing Remotes

1 Gather all of your remote controls in front of you.

2 Play with all of the example devices. Compare the devices with
your existing remote controls. Can you use any as templates for
non-Marantz components?

3 Use **DELETE** mode to delete all of the devices that you don't
use. (see page 39)

4 Use **ADD** mode to add devices for each **Marantz products**.
(see page 37)
When you are prompted to add with or without RC codes,
choose "**Create with RC codes**".

5 Use **ADD** mode to add devices for each **non-Marantz
products**. (see page 37) Choose "**Create without RC codes**".

6 Switch to **USE** Mode or **LEARN** Mode to evaluate the page
layouts of the new devices.

Customizing your RC9500

7 Switch back to **DELETE** mode and delete the device if it is not a good match to your component. Repeat steps 4 through 7 until all of your remote controls have matching devices.

8 Switch to **LABEL** mode to relabel each device.
(see page 32)

9 Switch to **MOVE** mode to re-order your devices, so that your Device Overview page is arranged the way you want.
(see page 41)

10 Switch to **LABEL** mode to relabel any buttons as needed to match your existing remote controls. Check all of your devices.

12 Switch to **LEARN** mode and learn all of your non-Marantz components' RC Codes to the RC9500. (see page 28)

13 Switching back and forth between **USE** and **LEARN** modes, test all codes and reteach as necessary.

Note Be very careful to NEVER delete the Jump tabs; they can only be restored with the editor software using a PC. (see page 56)

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14 Switch back to **LEARN** mode. Learn the appropriate Preamp/Receiver Input (source switching) IR command to each Device as the **Device Action**. (see page 30)

Congratulations!
You have completed the first stage of customization.
Take a well deserved break.

Customizing Your RC9500

3. Complex Operation? Macro or Help...

If your entire system is new to you, practice using the RC9500 manually for a few days before programming any macros. You'll find that your home theater requires many operations that require multiple steps to do. You have to decide whether to use a:

Macro - The entire operation happens in an automated sequence when you touch one button.

Help List - The operation happens manually but is prompted by large sequentially numbered buttons with friendly labels on one sequence of pages linked together.

Some multiple step operations require you to make decisions before you proceed. An example is turning on a non-Marantz home theater system. Many components turn on and off with a single "Power" button. Before you press a "Power" button, the manufacturer expects you to look at the component to see whether it is on or off. If you want it on and it's off, you press the "Power" button. If you forget to look, and it is already on, you will turn it off when you press the "Power" button. The Remote cannot "look" at your components to see if they are on or off. So, if you recorded a macro intended to power up a non-Marantz home theater, it wouldn't be very reliable.

Here's an example:
Your spouse goes out to the local video store and rents a video tape. When he/she gets home, they pop the tape in the VCR (most VCR's automatically turn on when a tape is inserted). Your spouse touches the macro button you programmed to power up the system. The recorded sequence of "power" buttons is played back. Unfortunately, since the VCR was already on, it is now off and everything else is on. Your spouse sees no picture, assumes the macro didn't work, so he/she touches the button again. This time, the macro turns the VCR on and every thing else off. Frustrating!

Marantz builds components that are "macro-friendly". Instead of a single "power" button, the remote controls have a **discrete** "On" and a **discrete** "Off" button. With a Marantz system, you can record a Macro that is very reliable from a series of "On" commands. Take a look at the example ALL ON and ALL OFF macros preprogrammed in the default configuration.

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The problems don't stop with powering up a system. Often, you will want to construct a macro to watch or listen to a specific source. This may require that both the Television and the Surround Receiver be set to new inputs. Some components have "discrete" commands to select sources (meaning the command will only have one effect on the components, like the CD input on most receivers). Other components have "**toggle**" commands (these are commands that require you to look at the component, evaluate its state and sometimes issue the command over and over again). An example of a "**toggle**" command is the Input or TV/VCR button found on many television remote controls. You have to look at the TV, decide that it is on the wrong input, then toggle or scroll through the inputs to select the one you want.

Evaluate each of the multiple step operations you would like to record as macros. If all of the commands in the process are "**discrete**", the macro will work reliably. If even <u>one</u> command is a "**toggle**" command, you should program a help list for the operation instead of a macro.

Tip   Sometimes there is a reliable way to use toggle type commands in macros.
Unfortunately, it will not be written down in your component's instruction
manual. You will have to find it through experimentation and imagination.
What you are looking for is an "anchor" command that will put your component
in a known state. Once it is in a known state, you can use toggle commands
in your macro.

An example for Powering Up DVD Players:

Most DVD players will turn on when they receive a Play command.

Thus a discrete On command is two steps,

    1) DVD Play

    2) DVD Stop

A discrete off command is constructed by:

    1) DVD Play

    2) DVD Power

An example for Selecting Source on a TV:

Many televisions will return to a particular input with either a channel up or

down command or by selecting a particular channel.

Thus, to construct a macro that selects the EXT1 input:

    1) Channel Up (selects the Antenna A input)

    2) Input (toggles to the Antenna B input)

    3) Input (toggles to the EXT 1 input)

Customizing Your RC9500

4. | Programming Help List

....

1 Write a list of all of the operation you want to record.

2 Gather all of the remote controls you will need for the operation.

3 Select **ADD** from the Mode menu. Choose "**Copy existing device**" when prompted. (see page 35)
   In the device list, there is a device labeled "**Help**".
   Tap it to add the "Help" device and "**Select**" button.

4 Tap "**Copy without RC codes**" when it prompted.
   (see page 35)

5 Switch to **LABEL** mode. Relabel the new device currently labeled "**Help 1**". (for details on relabeling devices, see page 32)
   Try to use a descriptive title like POWER, RECORD, etc.

6 Go back to the Mode Menu page and re-enter to **LABEL** mode.
   Relabel as many of the buttons on the five pages as you need.
   (see page 32)

Tip   Do not relabel the buttons labeled "Press for More ...." unless the button is the last step in the operation.

7 Switch to **LEARN** mode. Learn the appropriate command to each button .

8 Switch to **MOVE** mode. Move the new device to the appropriate position in the device list (remember, this determines the Device button position on Device Overview page).

9 Return to **USE** mode and test out your new list.

10 You can make as many Help lists as you like. Simply repeat steps 1 through 8 for each operation you would like to program a help list.

5. | **Macro/Page Jump Capability**

Macros allow you to send a sequence of commands, jumps, delays and beeps with up to 250 steps using one single touch.

Basically, you can assign any button as a macro button. However, it is recommended that you use the macro buttons in the reserved macro device.

In order to plan your macros, you should understand the capabilities as follows,

▌Any Button Performs Macros/Jumps

▢ **You can** program a macro to be played back when a button is selected on a device page or Home page. (see page 43)

▢ **You can** program a macro to be played back when a device is selected via the Device Overview page. (see page 44)

▌Macros Perform Jumps to Any Device

The RC9500 has the unique capability of jumping to any device page during a macro.

▢ **You can** make any or all of the 250 steps a jump to any devices. This provides you with the opportunity to give some feedback to the end user while a macro is being played back. *For example: You can reveal the CD device panel to show the user that commands are being sent to the CD player, then jump to an A/V Amp panel to show the user that commands are being sent to the amp. (see page 43)*

▢ **You can** Add/Create a Status device (located in new devices in the division named OTHER) and custom label each page to give the end user more specific feedback as to what the macro is doing. You can then program jumps to each Status page to occur during the macro. (see page 44)

▢ **You cannot** jump to the Device Overview and the Page Overview page. You are allowed to jump to each page of the devices.

Customizing Your RC9500

■ Macros Send Commands To Your System

You can make any or all of the 250 steps send a remote control command to your system. The step is actually just a recording of the location of any button on any device page. To record an Remote Control (RC) command, you simply navigate to the panel and button you want, then touch it. Thus, all RC commands in a Macro must first be learned to a button location. (see page 43)

You can record a "Device Action". A Device Action executes the device action list of the selected device button in the Device Overview. (see page 44)

■ Macros Can Contain Delay and Beep Between Steps

You can program a Delay/Beep as any or all of the 250 steps of a macro. (see page 43)

You can adjust that delay in 1/10th of a second intervals between 0.1 and 10.0 seconds. (see page 43)

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6.   Programming Macros & Page Jumps

You will do all of your Macro/Jump programming within a screen
that will appear after you press the **Macro** button on the Mode
menu page. Before proceeding with programming, make sure that
you understand how to move around in the MACRO mode and how
to read the RC9500's shorthand notation for each macro step.
(see page 42)

1 Write a list of all of the actions in the operation you want to
record.

2 Play with all of the example Macro buttons in MACRO device.
Are any of these examples adaptable to your purposes?

3 Use **DELETE** mode to delete all of the macro devices that you
don't like. (see page 40)

4 Use **ADD** mode to add a new macro device empty of any
programming from the device list. (see page 37)

5 Switch to **LABEL** mode to re-label your macro devices.
(see page 34)

6 Switch to **MOVE** mode to re-order your macro devices, so that
the most commonly used Macro devices are near the top.
(see page 41)

7 Switch to **LABEL** mode and navigate to your new macro device.
Relabel the macro buttons with an appropriate name. The
buttons are large so try to imagine a descriptive name even if it
requires a few words.

8 Switch to **MACRO** mode. Tap the "**Macro to button**" to
proceed.

Note   If you like to create a macro to the Device button, tap the
"**Macro to device**" button instead of the "**Macro to button**"
button.

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9 Navigate to your new macro device and press your newly named macro button to enter the MACRO edit page. The MACRO edit page will appear. If you had any previously programmed commands in this button, they will appear for you to edit.

10 Working from your written list, navigate through the desired device and page to program all of the steps in the Macro. (see page 43)

Commands - When you tap a **button**, you will record an RC command step. (see page 43)

Jumps - When you select a device from the Device Overview while holding down the **Left Function** button (now labeled "**Jump**"), you will record a page jump to the first page of that device. (see page 44)

Device Action - When you select a device from the Device Overview while holding down the **Right Function** button (now labeled "**Action**"), you will record a Device Action of that device. (see page 44)

Delays - When you select a "**Delay**", use the "**+**" and "**-**" buttons to set the length of delay. (see page 43)

Beeps - When you select a "**Beep**", you will record a beep. (see page 43)

Note   Use the **Page +** / **-** buttons, Device Overview or Page Overview to navigate through pages; the Tab buttons will work as a Jump. If you **accidentally** record a Tab button as a macro step, it is better to delete it.

11 Once all steps have been programmed, test your macro by tapping the "**Test**" button on the page.

12 Typically you will need to adjust the timing of the macro. Simply putting in lots of delays will make the macro work, but it may make the macro unnecessarily long.

Try moving commands, so that a TV command alternates with another component command before another TV command is issued. To move a command, simply select it and use the and buttons to reposition it within the Macro action list.

When a delay is added to the macro, the default timing is 0.5 seconds. If the macro works with a 0.5 second delay, try a smaller delay to shorten the macro.

When programming Channel number macros, use 0.1 second delays between different digits and 0.5 second delays between identical digits.

13 Once you are happy with the macro, press the "**Done**" button on the screen to save it.

14 Continue to program macros until you have recorded all that you plan.

Congratulations!
You are now a Home Theater Automator!

Reference

1. | Learning IR command

You program the Remote Control (RC)
commands by transmitting
IR (infrared) signals from your
existing remote controls to the
RC9500's learning IR eye.
To do this, place the RC9500 and
the device's remote control on a flat
surface, 1 to 10cm (0.5 to 3.6 inches)
apart. For each new remote control,
you have to find the correct learning distance.

1 to 10 cm apart
(0.5 to 3.6 inches)
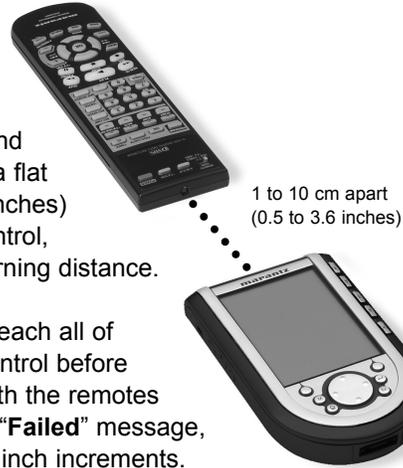
It is best to be systematic and teach all of
the buttons from one remote control before
proceeding to the next. Start with the remotes
close together; if you receive a "**Failed**" message,
move them farther apart in one inch increments.
Although rare, some component remotes require
a very large distance between the sending IR eye LED and
the RC9500's learning IR eye.

Test the first command from any new remote control to find the
correct learning distance.
Once you have found the correct learning distance, do not
change it for any other button on that particular remote control.

Most commands learn correctly when you press and hold them
until the "**OK**" indicator appears. However, sometimes the
RC9500 will say "**OK**", yet the command will not operate the
component properly. If this occurs, try re-learning the command
with a brief tap. After a short delay the "**OK**" indicator will
appear. Test the code. If this improves operation, continue to
use the "**tap**" technique for all other buttons on the remote.
The commands that change the states continuously (example:
Vol. +/-, Ch. +/-) have to be learned using the "press and hold"
technique.

The following buttons can be programmed: Hard and Soft
buttons (buttons in the devices and the Device Overview pages).

You cannot program the buttons in the Device Overview page directly. You have to program them using "**Learn device action**" function. (see page 30)

The RC9500 also offers empty (non-command programmed) control buttons which you can program and label as existing buttons. They are visible in USE mode as grayed-out.

Normal Button
(Command programmed)

Grayed-out Button
(Non-command programmed)

Programming Touch Screen Buttons

1 Tap and hold the **MODE** ☐☐ icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**LEARN**" button to switch to the LEARN mode.

3 Select the "**Learn button**" button and then navigate to the device page which contains the button you want to program.

4 Point the device's original remote control to the RC9500's learning eye as shown on page 28.

5 Tap the button you want to program on the RC9500.
"**Learning**" will be displayed on the **DEVICE OVERVIEW** button and the button's color is reversed.

Learn Mode

Learn button

Learn device action

Back   LEARN   Cancel

6 Press and hold the corresponding button on your device's original remote control.
If the RC9500 has learned the command successfully, "**OK**" appears on the Device Overview button. You can release the button you're holding. If the RC9500 has not learned successfully, you hear a short buzz and "**Failed**" appears.

7 Program all other buttons you want and relabel them if necessary. (see page 32)

Reference

8 Return to the Mode Menu page by tapping LEARN label in the LOWER TOOL BAR.

9 Return to USE mode by pressing the **Left Function** button labeled "**Exit**" via the Mode Menu page.

Programming The Device Buttons (Device Action)

Note When you teach a command as a Device Action, this command will be sent when you select the Device from the Device Overview page.
Remember, the only way to NOT issue this command is to reveal the Device Overview page, press and hold the Left or Right Function buttons (now labeled "**No IR**") and select the device.

1 Tap and hold the **MODE** □□ icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**LEARN**" button to switch to the LEARN mode.

3 Select the "**Learn device action**" button.
   The Device Overview page appears.

4 Complete steps 4 to 9 in "Programming Touch Screen buttons" on page 29. Instead of tapping a button on the Touch Screen, press the Device button you want to program.

Programming the Hard Buttons per Device

The Hard buttons are defined as the five hard buttons next right to the Touch Screen (Channel Up/Down, Volume Up/Down, Mute) and the ten buttons below the Touch Screen (Cursor Up, Down, Right, Left, Menu, Enter, Exit, HOME, Left and Right Function buttons).

Notes	· It is *possible* to teach commands to the **LEFT** (labeled "Back") and **RIGHT** (labeled "Ahead") Function buttons on the remote. But those commands can be re-programmed only via a PC using the editor software.
	· It is *not possible* to teach commands to the **HOME** button on the remote. Unless those commands were re-programmed via a PC using the editor software.
	· When the Cursor Navigation is active, the **4-way cursor** buttons cannot be learned.

Hard buttons can be programmed for a device specific command for a particular device on the remote (Programming locally).

1 Switch to the device for which you want to program the button.

2 Complete steps 1 to 9 in the programming Touch Screen buttons on page 29. Instead of tapping a button on the Touch Screen, press the hard button you want to program.

Note	Only via PC, hard buttons can be programmed with a global function for all devices (Programming globally).

When a **command is learned** to a hard button **to a device page**, it will only be issued when that device is active, even if a command has been programmed globally. Local learning overrides global programming.
For example:
One could program the CH+ & CH- buttons as the Chapter +/- command when the DVD is active. Now, if you program the TV channel +/- globally (and any device other than the DVD is selected) the TV channel +/- commands will be issued.

Reference

2. Labeling Buttons, Pages and Devices

The following elements can be labeled: Buttons on a device page and Home page, Page (the name that appears on the Page Overview page), and Device (the name that appears on the Device Overview button and Device Overview page).

■ Labeling a Button

1 Tap and hold the **MODE** 📖 icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**LABEL**" button to switch to the LABEL mode.

3 Tap the "**Label button**" button on the page. The last visited page in USE mode appears.

4 Navigate to the page that contains the button you want to label.

5 Tap the button you want to label. The virtual "auto-zooming" mini-keyboard shows up. The button you want to label is displayed above the keyboard.
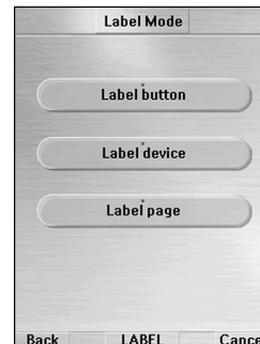
Note   The frames (texts with non-button function) cannot be labeled on the RC9500.

6 Edit the label.

■ To delete a character, press the
Right Function button labeled
"**Del**".

■ To change the font size, Tap
the "**+**" or "**-**" buttons beside the
"**Font**" label on the page.

Note   If the font size does not fit in
the button, the font size
cannot increase.

■ To enter a character, tap the
keyboard near the character you
want to use. The keyboard is zoomed in, allowing you to tap
exactly the character you need.
After you have tapped the character, the keyboard is zoomed
out. Repeat this action for every character.

Note   You can zoom out again without tapping a character by
tapping the "**Unzoom**" button.

■ For capital characters and symbols, tap the "**Shift**" button
repeatedly to display the keyboard you want.

Note   If you type a longer word than fits in the button, the font
size will automatically get smaller.

7 Tap "**Enter**" button to save the changes. You will be redirected
to the previous page.
-or-
Press the **Left Function** button labeled "**Back**" to return to the
page you were at without saving changes.

8 When you are finished labeling, you can return to the Mode
Menu page by tapping LABEL label in the LOWER TOOL BAR.

9 Return to USE mode by pressing the **Left Function** button
labeled "**Exit**".

Note   You cannot label buttons on the Device Overview page directly.
You have to label them using "**Label device**" function in the
LABEL mode. (see page 34)

Reference

■ Labeling a Device

You can label all devices which are displayed in the Device Overview page.

1 Tap and hold the **MODE** 🔲 icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**LABEL**" button to switch to the LABEL mode.

3 Tap the "**Label device**" button on the page.
   The Device Overview page appears.

4 Tap the device button which you want to label.

5 Complete steps 6 to 9 in "Labeling a Button" on page 33.

■ Labeling a Page

You can label all pages which are displayed in the Page Overview page.

1 Tap and hold the **MODE** 🔲 icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**LABEL**" button to switch to the LABEL mode.

3 Tap the "**Label page**" button on the page.
   The Page Overview page appears.
   You can navigate to other device by tapping the **DEVICE SCROLL** buttons .

4 Tap the page button which you want to label.

5 Complete steps 6 to 9 in "Labeling a Button" on page 32-33.

Note   The font size cannot be set for devices and pages, in contrary to buttons.

3. | **Adding Devices**

If you have a device that is not provided in the Device Overview page, you can add it to the RC9500.

There are two possible ways to add a device:

- **Create New Device**
- **Copy Existing Device**

In the following sections we'll discuss what these options offer you.

Description for the Device Template

You will be able to choose from a list of preprogrammed templates "with" or "without" Marantz RC codes.

The Device list box will appear. As you scroll down the list using the Down arrow button, you will notice Device Type Dividers and Devices you can add. Only select the Device to ADD. Although it is possible to ADD the Device Type Divider as a Device, it is not useful. Should you accidentally Add a divider to your device list, delete it.

Device Type Divider
This is not a device template to add; it is simply an indication of the type of device.

Device Template
When you add this for a Marantz component, you should add "with RC codes". When you plan to teach codes from an existing remote control, add "without RC codes".
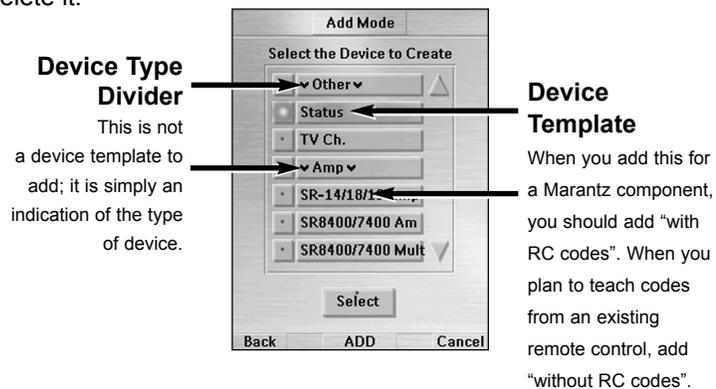
With the ⬜ and ⬜ arrows, you can scroll through the complete device list.

Reference

Receivers are both A/V Amps and Tuners - Since you typically use the two sections of your Marantz receiver at different times, we have separated them into two devices. You will find the amp section in **Amp** and the Tuner section in **Tuner**.

The Marantz SR9300 Receiver has actually two templates: The SR9300 AMP template for all Preamp/Surround functions and the SR9300 Tuner template for all Radio functions.

All of the devices display Marantz model names with the exception of the first device type divider, called "Other." Below the "Other" device type divider are two device templates that are meant for other purposes.

STATUS - This template is used to provide status screens you can jump to during a macro. Five pages are created with the device name "Status." If you add additional Status devices, they will be named Status1, Status2, Status3 and so on. Each page is named according to its numbered position (1/5, etc.), so that if you are editing/playing a macro, you will know which panel you have jumped to.

Status panels help your family hold the remote steady during long complex macros.
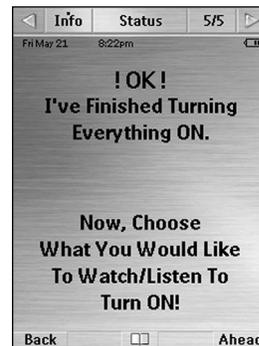
HELP - This template is used to create a Help List that will help users through a multiple step process that cannot be reliably programmed as a macro. See page 22 for more information about help lists.

◁ Info	Help	1/4 ▷
Fri May 21	8:23pm	🔋

Control the power On and Off.
Once you are finished, press
the HOME button below the screen.
Select what you will Watch/Listen

Power the TV On/Off

Power the Sound System On/Off

Power the Cable Box On/Off

Power the DVD On/Off

˅ Press For More.... ˅

Back ▢▢ Ahead
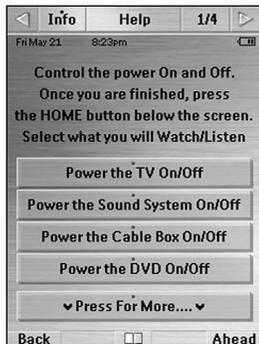
Help List panels are a good way to help casual users through a long operation with lots of steps.

◁ Info	Help	2/4 ▷
Fri May 21	8:23pm	🔋

Power the D-VHS On/Off

Power the SACD On/Off

Power the Projector On/Off

Power the Tuner On/Off

Power the Plasma On/Off

10

11

˅ Press For More.... ˅

Back ▢▢ Ahead
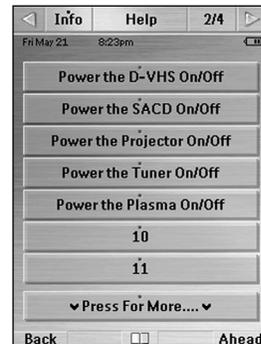
DSS - Since Marantz does not make a DSS receiver, we included a template. Simply teach the RC9500 from your original remote.

◼ Creating a New Device Step by Step

1 Tap and hold the **MODE** ▢▢ icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**ADD**" button to switch to ADD mode.
The RC9500 displays the following choices:

◼ **Create New DEVICE**
◼ **Copy Existing DEVICE**

Add Mode

Create new device

Copy existing device

Back ADD Cancel

3 Tap the "**Create new device**" button on the screen.

4 Tap the device you want to add from the device list box and tap "**Select**" button.

Reference

5 You can add the device with or without RC codes.

- **Create with RC codes**: Choose this option if you have the exact Marantz component listed. The new device is added with operational buttons.
- **Create without RC codes**: If you choose this option, the new device is added with grayed-out buttons. Program them using LEARN and LABEL mode.

Note When you add a device without RC codes, all buttons are visible as grayed-out. (see page 29)

By experimentally adding devices and inspecting them in USE mode, you can decide which is the best match to your component and delete the ones not used.

Tap the button of your choice.
The new device will be automatically added in the Device Overview when you return to USE mode.

5 Add all other devices you want and return to the Mode Menu page by tapping ADD label in the LOWER TOOL BAR.

6 Return to USE mode by pressing the **Left Function** button labeled "**Exit**".

Copy Existing Device
Tap the "**Copy existing device**" button in the ADD mode page to copy a device that is already active.

Tip It is often useful to have two almost identical devices for your Television. The only difference between the two is one would have the Vol+ and Vol- Direct Access buttons programmed locally with the televisions internal volume + and - commands. Label this device TV Only (for use late at night without Surround Sound). The other TV device has no programming in its Direct Access buttons; as a result, the surround receiver's Vol+ and Vol- (programmed globally on the Home panel) is issued when the TV device is selected.

Reference

4. Deleting Buttons and Devices

You can delete the Buttons in device pages and the Device itself.

Note   Left, Right Function buttoms, Home button, Pages and Frames
         (texts with non-button function) can not be deleted.

■ Deleting a Button

1 Tap and hold the **MODE** 🔲 icon in the LOWER TOOL BAR
  more than 3 seconds. Mode Menu page appears.

2 Tap the "**DELETE**" button to switch to
  the DELETE mode.

3 Tap the "**Delete button**" button.

4 Navigate to the page that contains
  the button you want to delete.

5 Tap the button you want to delete.

6 Tap "**Yes**" to delete or "**No**" to cancel.
  The label "**Undo**" appears above
  the **Right Function** button when you have deleted the button.

Note   By pressing the "Undo" function button, the button you just
         deleted is restored.

The result depends on the element you are deleting:

- ■ **Soft buttons (Touch Screen button)**: The button
  disappears from the display.
- ■ **Hard buttons**: Not applicable. You cannot delete.

7 Delete all the buttons you want and return to the Mode Menu
  page by tapping DELETE label in the LOWER TOOL BAR.

8 Return to USE mode by pressing the **Left Function** button
  labeled "**Exit**".

Reference

Deleting a Device

1 Tap and hold the **MODE** icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**DELETE**" button to switch to DELETE mode.

3 Tap the "**Delete device**" button.
   The Device Overview page appears.

4 Tap the device name you want to delete.

5 Tap "**Yes**" to delete or "**No**" to cancel.
   The label "**Undo**" appears above the **Right Function** button when you have deleted the device.

Note   By pressing the "Undo" function button, the device you just deleted is restored.

6 Delete all the devices you want and return to the Mode Menu page by tapping DELETE label in the LOWER TOOL BAR.

7 Return to USE mode by pressing the **Left Function** button labeled "**Exit**".

Reference

5. Moving Devices

You can change the order of device buttons in the Device Overview pages.

1 Tap and hold the **MODE** ☐☐ icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**MOVE**" button to switch to the MOVE mode.
The RC9500 displays the Device list box.

3 Tap the device name of your choice. The check box next to the selected device name is highlighted.

4 Tap the Move ⊙ and ⊙ buttons below the Device list box to move the device up or down.

5 Tap the "**Done**" button to save the changes. You return to Mode Menu page.

Reference

6.   Programming Macros

....

■ Macro Page Notation

Before you begin to program a Macro, study the notation used in
the MACRO mode. Each type of action has its own notation.

DVD/...
- When the device name
with "/..." is listed, the
macro step will be a
Device Action (the action
that occurs when the
Device is selected, which
is typically the
receiver/preamp's source
selection or input
command).
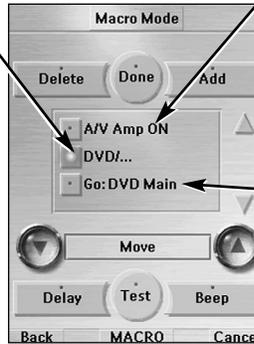
A/V Amp ON - When
a device name and a
button name are listed,
that particular button's
IR command will be
issued.

GO: DVD Main
- A Go command
indicates a panel jump.
In this case, "DVD"
means a jump to the
DVD device and Main is
the name for the
particular panel
(sometimes panels just
have numbers, not
names).

DVD ■
- A device name and the
Stop symbol means that
this particular button's IR
command will be issued.
The symbol list can be
found on page 54.
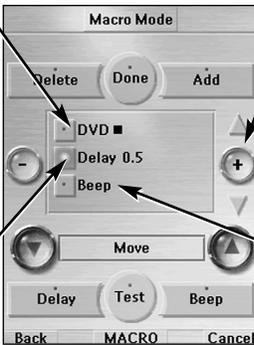
Adjusting Delays
- When a delay is
"Selected," you can
adjust the delay with
the + and - buttons.

Delay 0.5
- A delay counts as one
of the 250 macro steps.
Delays can be adjusted
in 0.1 second intervals
to be any value between
0.1 second to 10.0
seconds.

Beep - A beep counts
as one of the 250 macro
steps. Useful to notify
when the macro
execution is finished

■ Recording a Macro to a Operation Button
Step By Step

1 Tap and hold the **MODE** 🔲 icon in the LOWER TOOL BAR
more than 3 seconds. Mode Menu page appears.

2 Tap the "**MACRO**" button to switch to MACRO mode.
The RC9500 displays first Macro mode page.

3 Tap the "**Macro to BUTTON**" button
to proceed to the next step.

4 Navigate to the device and the page
that contains the button for which
you want to create a macro.

5 Tap the button you want to create a
macro.
If the selected button cannot be used
for a macro, you hear a beep which
signifies a failure.

6 Tap the "**Add**" button to enter the sequence of commands in a
macro.
You can navigate to whatever control page you want, just as you
do in USE mode except using Tab buttons. When you have
selected the sequence, the RC9500 will go back to the Macro
edit page.

7 Tap the "**Delay**" button to enter the delay in a macro.
The delay is added in the macro list. You can adjust the delay
time by pressing "**+**" and "**-**" buttons beside the list box.

8 Tap the "**Beep**" to enter the beep in a macro.
The Beep is added in the macro list.

9 Tap the "**Test**" button to try if the macro performes properly.

10 Tap the "**Done**" button to finish the macro if it executed properly.
By pressing the **Right Function** button labeled "**Cancel**", you
can cancel creating a macro.

Reference

There are two extra commands you can record as any step in a macro;

Recording a Device Action (Source or Input Switching)
To record a Device Action containing a source switching command, open the Device Overview page, hold down the **Right Function** button (labeled "**Action**") and tap the device you want to record the device action. This action places the entire Device Action in the Macro.

Note	If a Device action has been programmed as macro, you can include all of the commands which were programmed in that device action as a single step in another Macro, effectively nesting one macro inside another.

Recording a Jump to a Device page
To jump to any device, open the Device Overview page or Page Overview page, hold down the **Left Function** button (labeled "**Jump**") and tap the device/page you want to jump to. This action places the jump to the selected device's page in the Macro.

■ Recording a Macro to a Device Button (as the Device Action) Step By Step

1 Tap and hold the **MODE** icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**MACRO**" button to switch to MACRO mode. The RC9500 displays first Macro mode page.

2 Tap the "**Macro to DEVICE**" button to proceed to the next step. The Device Overview page appears.

3 Tap the device you want to program a macro.

4 Complete steps 6 to 10 in "Recording a Macro to an Operation Button" on page 43.

Reference

■ Editing Macros

You can edit any macro you have recorded.

1 Tap and hold the **MODE** 📖 icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**MACRO**" button to switch to MACRO mode. The RC9500 displays first Macro mode page.

3 Tap the "**Macro to button**" button if you want to edit the macro for the operation button, or "**Macro to device**" button for the device to proceed to the next step.

4 Navigate to the device and the page that contains the button you want to edit a macro.

5 Tap the button which holds the macro you want to edit. The "Macro edit" page appears.

6 You can **Move** or **Delete** the listed commands, or you can **Add** new commands.
- Tap "**Add**"
- Browse to the page, choose button
- Use the arrow buttons 🔽 and 🔼 to move the command to the right place

7 You can also add **delays** and **beeps** to the macro (for example, to insert a short pause between turning on a device and sending commands to it, allowing the device to warm up). The length of a delay can be adjusted:
- Tap a delay.
- Tap 🔽 or 🔼 buttons beside the list box to decrease or increase the length of the delay.

8 Press the "**Test**" button to check if edited macro performs properly.

9 Tap "**Done**" to store and finish editing.

Reference

7. Creating and Editing Timers

With the Timer Mode, you can define actions to be carried out at predefined times.
For instance, you can switch on the lights or program your VCR to record your favourite daily TV-show.

Note   When a timer is executed, you will hear a beep and a Timer message appears on screen. If RC9500 is performing another task (sending out IR codes, testing a macro, ...) when a timer is due to be executed, RC9500 first continues performing the current task.

■ Adding a Timer

1 Tap and hold the **MODE** 🖵 icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**TIMER**" button to switch to the TIMER mode.

3 Tap "**Go**" button to proceed to the next step. The Timer List page appears.

4 Tap "**Add**" button to add a new timer to the list.
   A new timer is added to the Timers list.
   By default, a new timer is labelled Timer and a number.
   It has no start and stop actions defined.

5 To label the timer, tap "**Label**" button, as described in 'Labeling a Timer' on page 48.

6 To define the **Start action** and **Stop action** for the timer, tap "**Edit**" button, as described in 'Editing a Timer' on page 49.

7 Tap "**OK**" button In the Timer list page or TIMER label in the **LOWER TOOL BAR**.
   The Timer List page closes and the Mode menu page appears again. The new timer is added.
   -or-
   Press the **Left Function** button labeled "**Back**" to return the Mode Menu page without adding the timer.

8 Return to USE mode by pressing the **Left Function** button labeled "**Exit**".

Activating Timers

1 Tap and hold the **MODE** 📖 icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**TIMER**" button to switch to the TIMER mode.

3 Tap "**Go**" button to proceed to the next step.
The Timer List page appears.

4 Tap the **check box** ☑ in front of the timer that you want to activate.
The color of the check box is changed and the timer is activated.

5 Tap "**OK**" button In the Timer list page or `TIMER` label in the **LOWER TOOL BAR**.
The Timer List page closes and the Mode Menu page appears again. The Timer icon appears next to the time indication.
-or-
Press the **Left Function** button labeled "**Back**" to return the Mode Menu page without activating the timer.

6 Return to USE mode by pressing the **Left Function** button labeled "**Exit**".

Note In the Timers list, activated timers are displayed first, followed by the not activated timers. Both activated and not-activated timers are listed chronologically.

Reference

▉ Deleting a Timer

1 Tap and hold the **MODE** ▢▢ icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**TIMER**" button to switch to the TIMER mode.

3 Tap "**Go**" button to proceed to the next step.
The Timer List page appears.

4 Tap the label of the timer you want to delete.
The color of the selected timer is changed.

5 Tap "**Delete**" button in the Timer List page.
The delete confirmation page appears.

6 If you really want to delete, tap "**Yes**" button in the Message page.
The timer is deleted from the list.

7 Tap "**OK**" button In the Timer list page or TIMER label in the **LOWER TOOL BAR**.
The Timer List page closes and the Mode menu page appears again. The timer is deleted.
   -or-
Press the **Left Function** button labeled "**Back**" to return the Mode Menu page without deleting the timer.

8 Return to USE mode by pressing the **Left Function** button labeled "**Exit**".

▉ Labeling a Timer
The default name for a timer is 'Timer' followed by a number, for example Timer 5.

1 Tap and hold the **MODE** ▢▢ icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2 Tap the "**TIMER**" button to switch to the TIMER mode.

3　Tap "**Go**" button to proceed to the next step.
The Timer List page appears.

4　Tap the label of the timer you want to label.
The color of selected timer is changed.

5　Tap "**Label**" button in the Timer List page.
The Labelling page appears.

6　Label the timer as described in "**Labeling buttons, Pages and Devices**" on page 32.

7　When you finish labeling, tap "**Enter**" button in the Labeling page.
The Timer List page appears again and the timer is relabeled.

8　Tap "**OK**" button In the Timer list page or TIMER label in the **LOWER TOOL BAR**.
The Mode Menu page appears again.

Editing a Timer

1　Tap and hold the **MODE** icon in the LOWER TOOL BAR more than 3 seconds. Mode Menu page appears.

2　Tap the "**TIMER**" button to switch to the TIMER mode.

3　Tap "**Go**" button to proceed to the next step.
The Timer List page appears.

4　Tap the label of the timer you want to edit.
The color of selected timer is changed.

5　Tap "**Edit**" button in the Timer List page.
The Editing Timer page appears.

Reference

6 To edit the timer, execute the following steps:

1. Set the **Start Date**.
    See 'Setting the Start Date' on page 51 for more information.

2. Set the **Start Time**.
    See 'Setting the Start Time or Stop Time' on page 51 for more information.

3. Define the **Start Action**.
    See 'Defining the Start Action or Stop Action' on page 52 for more details.

4. Set the **Stop Time**.
    See 'Setting the Start Time or Stop Time' on page 51 for more information.

5. Define the **Stop Action**.
    See 'Defining the Start Action or Stop Action' on page 52 for more details.

6. Define the **Repeat Settings**.
    See 'Defining the Repeat Settings' on page 52 for more information.

7 Tap "**OK**" button in the Editing Timer page.
   The timer settings are defined. The Timer List page appears again.

8 Tap "**OK**" button In the Timer list page or TIMER label in the **LOWER TOOL BAR**.
   The Mode Menu page appears again.

Reference

Setting the Start Date

When you add a new timer, the Start Date is the current date by default. The Stop Date is calculated automatically based on the Start Date, the Start Time and the Stop Time.

To change the Start Date:

1 Tap the **Day** button in the Editing Timer page.
The color of Day button is changed.

2 Tap the ⊖ and ⊕ buttons to adjust the day.

3 Tap **Day** button again.
The Day is set.

4 Repeat step 1 to 3 for **Month** and **Year** buttons. The Start Date is set.

Setting the Start Time or Stop Time

1 Tap the "**Start Time**" button or "**Stop Time**" button in the Editing Timer page.
The color of the Start Time button or Stop Time button is changed.

2 Tap the ⊖ and ⊕ buttons to adjust the time.

3 Tap the **Time** button again.
The new Start Time or Stop Time is set.

Notes   · If the Stop Time lies before the Start Time, the Stop Date
            automatically jumps to the next day.using the editor software.
          · The Stop Time cannot be edited if no start actions are defined.

Reference

■ Defining the Start Action or Stop Action

RC9500 uses a similar procedure to define the Action List for the Start Action or the Stop Action of the selected timer as in the Macro Tool. See 'Programming Macros' on page 42 for more information.

Example   Some examples of timer actions are: switching on and off your lights at a specific time

---

1 Tap the "**Start Action**" button or "**Stop Action**" button in the Editing Timer page.
    The Macro edit page appears.

2 Tap "**Add**" button in the Macro Edit page.
    The last visited page appears again.

3 Navigate to the Device and the Page that contains the button you want to add to the macro.

4 Tap the button you want to add to the action list of the timer.
    The Macro Edit page appears.
    The action of the selected button is added at the bottom of the Action List.

5 Tap "**OK**" button in the Macro Edit page.
    The Start Action or Stop Action is defined.
    The Editing Timer page appears again.

Notes   The Stop Action cannot be edited if no start actions are defined.

■ Defining the Repeat Setting

If you want the timer to repeat itself on more than one occasion, you can use the repeat settings.

1 Tap "**Repeat Settings**" button in the Editing Timer page.
    The Repeat Settings page appears.

Reference

2 Tap the repeat toggle button.
By default '**No**' is selected.
The **Repeat** button toggles between the three settings:
- **No**: This is the default setting
- **Daily**
- **Weekly**

1. To change the setting to "**Daily**", tap the button again. Every day of the week is automatically selected.
2. If you want to set an end date for the repeating timer, select the End Date check box. The End Date is enabled.
3. Define the End Date, as described in 'Setting the Start Date' on page 51. The End Date is defined.

    -or-

1. To change the setting to "**Weekly**", tap the button again. The current day is selected.
2. Select or deselect the different days of the week on which the timer has to be executed.
3. If you want to set an end date for the repeating timer, select the End Date check box. The End Date is enabled.
4. Define the End Date, as described in 'Setting the Start Date' on page 51. The End Date is defined.

    -or-

1. To change the setting to "**No**", tap the button again. The timer will not be repeated.

3 Tap **"OK"** button in the Repeat Settings page.
The Editing Timer page appears again. Feedback about the repeat settings is provided below the **"Repeat Settings"** button.

8.   Using the RC9500 with Radio Frequency

Warning To use the Remote Control with Radio Frequency (RF) you need
a **Marantz RX-77 RF Extender**.
This is an **optional accessory** for the RC9500.

By default, the RC9500 uses
infrared (IR) signals to operate devices.
This means that you have to point the
RC9500's IR sending eye towards
the devices you're operating. IR signals
have an operating distance of approximately
10 meters (33 feet).
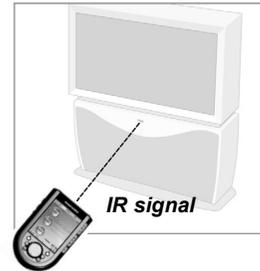
IR signal

You can choose to operate devices using **Radio Frequency (RF)**
signals instead of IR signals. RF signals can, unlike IR signals, go
through obstacles like furniture or walls.

The RF signals sent out by the
RC9500 are picked up by the **RX-77
RF Extender**. The RX-77 translates
the RF signals in IR signals and
sends the IR signals to the
appropriate devices. Therefore, the
RX-77 has to be placed near the
devices you're operating with the
RX-77's sending eye pointed to the device.

RF signal
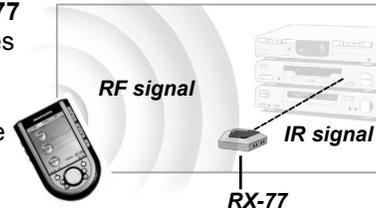
IR signal

RX-77

Your devices will always receive IR signals either directly from the
RC9500 or from the RX-77.

Changing the IR / RF Settings
All devices are set up by default to work with IR signals. To be able
to operate one or more devices with RF signals, you have to
change the RC9500's IR/RF settings for those devices.

1 Tap and hold the **MODE** icon in the LOWER TOOL BAR
more than 3 seconds. Mode Menu page appears.

2 Tap the "**IR / RF**" button to switch to IR/RF Setting mode.
The RC9500 displays the device list box.

3 Select the device for which you want to change the IR / RF settings.
The IR / RF setting page appears.
The reversed color button labeled "**IR**" indicates that the selected device is currently operated with IR signals.

4 Tap "**RF**" button. The IR/RF settings for the selected device are changed from IR to RF.
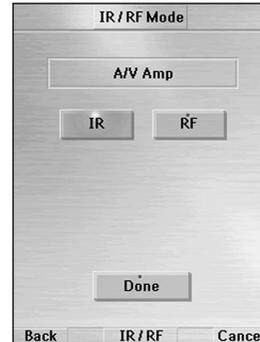
When you have **several RX-77s** to operate devices, you have to assign the correct **Extender ID** to the selected device. Continue with **Step 5**.
        -or-
When you have only **one RX-77**, you can accept the default settings for the Extender ID and the Channel. Skip to **step 6**.

Note   The ID on the RF Extender has to match the Extender ID on the Remote Control.

5 Press [−] and [+] buttons beside the **Extender ID** label to change the Extender ID number.
The RC9500 offers 16 Extender IDs.

6 Tap "**Done**" to save the IR/RF settings for the selected device or Press the **Right Function** button labeled "**Cancel**" to return without changing the IR/RF settings for the selected device.

7 Repeat instructions 1 to 3 for all devices for which you want to change the IR/RF settings.

8 Tap IR/RF label to return to the Mode Menu page.
The RC9500 is configured to operate the devices you have set with RF signals.

9 Return to USE mode by pressing the **Left Function** button labeled "**Exit**" and try out the devices for which you just changed the IR/RF settings.
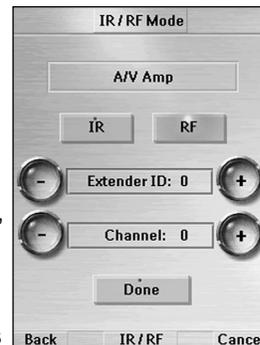
Note   It is possible that a device does not respond properly when operated with RF signals. In that case, you have to reconfigure the Remote Control to operate the device with IR signals again.

Reference

▉ Choosing Another Channel

When you notice RF interference or unreliable operation you should try choosing another channel to operate your devices.

Note   All devices you want to operate with RF signals use the same channel. If you choose another channel for one device, the Remote Control will automatically change the channel for all devices that work with RF signals.

---

1 Switch back to IR / RF mode. The Device list box appears.

2 Select a device that is set with RF signals.
The IR / RF setting page appears.

3 Tap the "**+**" and "**-**" buttons beside the **Channel** label to change the Channel number.
The RC9500 offers 4 RF Channels.

Note   The Channel (CH) on the RF Extender has to match the Channel on the Remote Control.

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4 Tap the "**Done**" button to finish.

9.   *Wizz.it 9* **Software**

If you want to personalize your RC9500 even more, beyond its standard programming features, **Wizz.it 9** is the tool for you to use. **Wizz.it 9** is the RC9500's companion software that you can download from the following internet address;

http://www.marantz.com

With **Wizz.it 9**, you can;

   Add, delete, move and modify control pages, devices and commands anywhere on the touch screen.

   Save, duplicate and share configuration files, codes or devices with other RC9500 remotes.

   Preview new configuration files on **Wizz.it 9 Simulator**. This way you can check how the RC9500's interface will look like.

■ Upload and download new configurations to and from your RC9500. You do this with the supplied USB cable connected to the USB port on the left side of the RC9500.

Connect the USB cable to the USB port above the Page + button

■ Convert the RC9200/5200/5000's CCF files and RC5400 PCF file for your RC9500.

■ Import new graphics to create new buttons and designs.

■ Personalize configuration files to optimize the use of your RC9500.

■ Programming macros easily.

■ Customize the system area and make the whole Touch Screen to your operation area.

■ Share your work with other enthusiasts on the internet.

■ Create animated slide shows using your own photos or art.

■ Internet Fun

A community of enthusiasts helping each other to learn how to use PC's to configure their remote controls exists at;
www.remotecentral.com

■ PC Requirements

- Windows 98SE/ME/2000/XP
- 64 MB of RAM
- 75 MB of free hard disk space
- Free USB port

Maintaining Your RC9500

■ Important Notice

Take care not to scratch the Touch Screen
Use your finger to tap the Touch Screen or use plastic-tipped
pens intended for use with other touch screen products.
Never use an actual pen, pencil or other sharp object on the
Touch Screen.

Protect the RC9500 from extreme temperatures
Keep the RC9500 away from heaters and other heat sources.
Operating temparature for the RC9500 is in between 41°F to
113°F (5°C to 45°C). (page 66)

RC9500 is NOT waterproof
RC9500 should not be exposed to rain or moisture. Do not store
or use the RC9500 in any location that is extremely damp or
wet. When you have spilled water on the RC9500, you have to
take out the batteries and let the RC9500 dry for 48 hours
before you place the batteries back. When you have spilled
other liquids like coffee on the RC9500, you can clean it with
distilled water.
IMPORTANT: Make sure no water gets into the housing.

The Touch Screen of the RC9500 contains a glass element
Do not drop the RC9500 or subject it to any strong impact.

■ Cleaning the RC9500

Use a clean, soft and damp cloth to clean the RC9500.
If the Touch Screen is soiled, clean it with soft cloth moistened with
diluted window-cleaning solution. Do not use a corrosive detergent
or an abrasive sponge. Avoid the use of abundant water.

Troubleshooting

■ General Problems

The display is blank
- Tap the screen to make sure the RC9500 is turned on.
- Adjust the screen brightness using the buttons on the left side. (page 17)
- Make sure the battery pack is properly installed. (page 4)
- Recharge the battery pack using the docking station. (page 5)

The display is too light or too dark
- Adjust the screen brightness using the buttons on the left side. (page 17)

The RC9500 shuts itself off
- This is a feature of the RC9500 to save power. You can change the length the RC9500 stays on in the Setup. (page 13)

Devices do not respond to commands from the RC9500
- Make sure the RC9500 is in USE mode. (page 7)
- Make sure the RC9500's IR sending eye is pointed towards the device you're operating.
- Check if the Low Battery icon appears. If so, recharge the battery pack using the docking station. (page 5)
- Check if the button you are trying to use is programmed properly. (page 18)
- Check if your device understands these particular Marantz infrared codes. Re-add the device with the correct model number. (page 35)

Troubleshooting

■ Programming Problems

Hard buttons are not sending the correct commands
■ Check whether the button is programmed per device or globally. (page 30) The MACRO mode is useful to confirm the programmed commands for buttons. (page 45)

Macros or Tab Style Jump buttons do not work
■ Make sure the RC9500's IR sending eye is pointed towards the device the entire time the macro is being executed.
■ Insert delays to allow devices to start up properly. (page 45)
■ Check that you have included grayed-out buttons in your macro.
■ Check that you haven't reprogrammed the buttons. Macros do not store commands, they store button locations. If you reteach a button, the macro will execute the newly learned code, not the code that you taught to the original button.

The RC9500 won't learn, edit, label or delete commands
■ Make sure your devices are positioned as shown on page 28. Avoid programming the RC9500 under bright fluorescent light, it might affect the infrared signals.
■ If the buttons in the Mode menu page do not respond, the configuration file might been protected to prevent unwanted changes. You cannot modify or delete commands for on the RC9500. the protection for the configuration file has to be released by using **Wizz.it 9** software.
■ Make sure the button you want to edit has a border. Frames cannot be programmed with commands.

The RC9500 won't switch the modes
■ When the batteries are low, the RC9500 prevents you from switching to customizing modes so that no customization can get lost. Recharge the battery pack. (page 5)

The RC9500 is low on memory
■ The RC9500 displays a message to clean up the memory. Please delete unnecesary devices, macros and learned commands as many as possible manually.

Tip   When you download and upload your configuration file, the size of the file is reduced. If you download this configuration again, you will have more free memory available.

The TV goes blank or the input source changes
- The buttons in the Device Overview page might be programmed to switch the input source. Select the device without issuing IR codes using the "No IR" function. (page 8)

The configuration file is corrupted
- When this very unlikely event occurs, you can use **Wizz.it 9** to download a new configuration file. Taken into account that all your customized commands, devices, and macros will be lost and you will have to reprogram your RC9500. The "**Revert**" function on the third Setup page is also available to get back the last downloaded configuration file.

Error messages
- If one of the following error messages occurs, please try to update the firmware. The **firmware updater** can be found at **www.marantz.com**.
  - Can't open configuration file
  - Configuration file error
  - No configuration file found
  - Invalid configuration file version

Tip   The bulletin boards and friendly users at www.remotecentral.com can often give you help with problems.

Recharging Problems

The batteries won't recharge
- Make sure you are using the rechargeable battery pack, the docking station (DS9500) and the power adaptor supplied with your RC9500.
- Make sure the battery pack is installed properly in your RC9500. (see page 4)

The indicator LEDs on the docking station flashe
- Check if the contacts on the docking station are clean and free of obstructions.
- Make sure the RC9500 lies properly on the docking station.
- Make sure the battery pack is properly installed. (see page 4)

Frequently Asked Questions

Can I program a device button to execute more than one command?
Yes, you can. You can program a macro to the device button in the MACRO mode. (see page 42)

How do I program source switching?
See "Programming The Device Buttons ..." on page 30.

How can I edit macros that are programmed in the button of the Device Overview?
You can do this using "Macro to device" function via the MACRO mode. (page 45)

How can I label buttons on Device Overview pages?
You can do this using "Label device" function via the LABEL mode. All changes you make to these items are automatically updated in the Device Overview page. (page 34)

How can I delete buttons on Device Overview pages?
You can do this using "Delete device" function via the DELETE mode. All changes you make to these items are automatically updated in the Device Overview pages. (page 40)

How do I reset the RC9500?
Normally, you never have to reset the RC9500. However, if the RC9500's display freezes or if you notice unusual behavior, you might need to reset the RC9500. You will not lose any saved programmed commands or macros.
Carefully press the reset button near the battery connector inside the battery compartment of the RC9500 with a paperclip or sharp pencil. The RC9500 restarts and beeps to indicate it is ready for use.

Can I revert to the original configuration?
Yes. By using **Wizz.it 9** with Windows PC, you can get the factory default configuration. Using **Wizz.it 9**, once the program is installed, open a configuration file named "**RC9500_default**" in C:\Program Files\Marantz\Wizzit_9\Samples. Downloading this configuration will restore your RC9500 to its factory state except the setup items. By using the "**Revert**" function in the Setup, you can get the last downloaded configulation.

Frequently Asked Questions

How do I calibrate the Touch Screen?
The RC9500 is calibrated when it leaves the factory, so normally
you do not have to calibrate it yourself. It is possible that the
RC9500 displays a message to calibrate the Touch Screen. If this
message appears do the following.

1 Tap the **INFO** Info button in the Upper Tool Bar.
  The information page will appear.

2 Tap the "**SETUP**" button in the Information page.
  The first Setup page appears.
  Navigate to third Setup page by using the **Page +** and **Page -**
  buttons.

3 Tap the "**Calibration**" button.

4 You will see the instruction "**Tap TOP LEFT corner**".
  Tap as close as possible the marker in the top-left corner using
  a blunt tip of a pencil.

5 You will see the instruction "**Tap BOTTOM RIGHT corner**".
  Tap as close as possible the marker in the bottom-right corner
  using a blunt tip of a pencil.

6 You will see the instruction "**Tap TOP RIGHT corner**".
  Tap as close as possible the marker in the top-right corner using
  a blunt tip of a pencil.

7 You will see the instruction "**Tap BOTTOM LEFT corner**".
  Tap as close as possible the marker in the bottom-left corner
  using a blunt tip of a pencil.

8 You will see the message "**Calibration succeeded**".

9 Return to USE mode by tapping the **INFO** Info button again or
  press the **Left Function** button labeled "**Exit**".

Overview of Symbols

❚❚	Pause
■	Stop
▶	Play, Normal Run, Normal Speed
◀	Reverse Play, Normal Run, Normal Speed
▶▶	Fast Forward, Scan Forwards, Fast Run, Fast Speed
◀◀	Rewind, Scan Backwards, Fast Run, Fast Speed
▷	Slow Motion Forwards, Slow Run, Slow Speed
◁	Slow Motion Backwards, Slow Run, Slow Speed
▲	Eject, Open/Close
●	Record, General
⚷	Key, Lock
❮ ❯ ⋀ ⋁	Navigate in the direction of the arrow
▶◀	Still Mode, Freeze Frame
◀❚▶	Autoreverse, Tape Running Direction
▶❙	Next Track, Next Chapter, Next Song
❙◀	Previous Track, Previous Chapter, Previous Song
▶▶❙	Fast Forward to Index
❙◀◀	Rewind to Index
❚❚▶	Frame by Frame, General
◀❚❚	Frame by Frame, General
⬚	Subtitle
⊠	Cancel Picture
▢	Picture-In-Picture Mode
▣	Menu
▤	Picture-In-Picture Shift
▨	Picture-In-Picture Swap
▦	Multi-Picture Display
▧	Picture-In-Picture Select
▤	Teletext Mode

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Overview of Symbols

▣▲	Page Number Up
▣▼	Page Number Down
⬍	Page Enlargement
▣	TV and Text Mixed
I-II	1st or 2nd Language
P◀P	Last View, Previous Program
⏻	Power, Stand-By
▲▲	Zone Focus: Long Distance
☻	Zone Focus: Very Short Distance
-/--	Single or Multi-Digit Selection
☼	Brightness, Brilliance
◑	Contrast
☼	Brightness / Contrast
◕	Color Saturation
☀	Lamp, Lighting, Illumination
▢	Split Screen Freeze / Double Screen Freeze
⬌	Split Screen Swap / Double Screen Swap
12	Split Screen / Double Screen
▣	Movie Expand
▶PP◀	Personal Preference
▢	Picture-In-Picture Freeze
▣i	Main Index Page
▣	Picture Freeze
⏲	Programmable Timer, General
▼	Tracking
?	Application Assistance
◷	Actual Time On Screen
▥	EPG / Electronic Program Guide
▢→	Video Output

Specifications

Display	64k color 3.8" TFT touch screen LCD 320x240 pixels (QVGA) resolution White LED backlighting for LCD and Blue LED for hard buttons
Interface	USB 1.1-port for PC connection
Infrared (IR)	Sending LED (x4) and learning LED (x1) Operating distance of approximately 10m (33 ft) Learns from the vast majority of remotes with a carrier frequency of up to 78 KHz and 455 KHz (Most of the Bang & Olufsen commands can be learned.)
Radio frequency (RF)	Operating distance of approximately 20m (66ft) in open-air condition Carrier frequency: 418 MHz (for US), 434MHz (for Europe) *The distance may vary depending on the surrounding conditions.
Memory	16MB non-volatile flash memory (software upgradeable to 48MB)
Batteries	NiMH rechargeable battery pack
Software	Dynamic, animated interface Editable macros (up to 250 commands per macro) Built-in Marantz components codes Total number of devices and macros limited only by the memory
Power management	Power On: By tapping the Touch Screen, by pressing buttons, by picking up the RC9500 Power Off: Auto shut off by adjustable timer
Dimensions	6inch x 3.5inch x 1.2inch (153mm x 90mm x 33.5mm)
Operating temperature	41°F to 113°F (5°C to 45°C)
Accessories	USB cable for PC connection NiMH 4.8V Rechargeable battery pack DS9500 Recharging docking station AC to DC power adapter for docking station
Option	*RX-77 RF Extender*

The specifications and design of this product are subject to change without notice.

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Service and Support

■ Service and Support

For service and support, please contact your Marantz authorized dealer or Marantz customer service.
On the Marantz internet site you can find more contact details.
When you contact Marantz customer service, you will be asked for the technical information listed on the Information page.

To view this information, follow these steps.

1 Tap the **INFO** icon to display the Information page.

◁ | Info | A/V Amp | 1/4 | ▷

2 When you wish to return to USE mode, tap the **INFO** icon again or press the **Left Function** button labeled "**Exit**".

■ Updates and New Products

For news about updates and new products, please visit us on the World Wide Web at;

http://www.marantz.com

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www.marantz.com

You can find your nearest Marantz authorized dealer or distributor on our website.

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