marantz ®

Model ST6000 User Guide

TUNER

ENGLISH

WARRANTY

Contact your local Marantz distributors for warranty information.

RETAIN YOUR RECEIPT AS PROOF OF PURCHASE

Your receipt is proof of a valuable purchase. Keep it in a safe place where you can easily find it for filing insurance claims when necessary or when corresponding with Marantz.

IMPORTANT

It is the responsibility of the consumer to establish proof of purchase when seeking servicing covered by the warranty. Your receipt or invoice is valid as such proof.

U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

FRANÇAIS

GARANTIE

Veuillez contacter les revendeurs Marantz locaux pour de plus amples informations concernant la garantie.

CONSERVER LE TICKET DE CAISSE COMME PREUVE D'ACHAT

Le ticket de caisse représente la preuve d'un achat de valeur. Le conserver dans un endroit sûr, où il peut être retrouvé aisément, afin d'introduire les revendications éventuelles auprès des assurances ou auprès de Marantz, le cas échéant.

IMPORTANT

Il incombe au consommateur d'établir la preuve de son achat, à l'aide du ticket de caisse ou de la facture, lors de la demande d'interventions couvertes par la garantie.

DEUTSCH

GARANTIE

Wenden Sie sich bezüglich Informationen zur Garantie an Ihren örtlichen Marantz-Händler.

BEWAHREN SIE ALS KAUFNACHWEIS IHRE KAUF-QUITTUNG AUF

Ihre Quittung bzw. Rechnung ist ein Beweis für Ihren wertvollen Kauf. Bewahren Sie diese an einem sicheren Ort auf, wo Sie sie im Fall eines Versicherungsschadens oder bei der Korrespondenz mit Marantz leicht wiederfinden können.

WICHTIG

Es liegt in der Verantwortung des Käufers, den Kaufnachweis zu liefern, wenn Garantiereparaturen in Anspruch genommen werden sollen. Ihre Quittung oder Rechnung dient als ein solcher Nachweis.

NEDERLANDS

GARANTIE

Neem contact op met de Marantz distributeurs in uw buurt voor informatie over de garantie.

BEWAAR UW REÇU ALS AANK OOPBEWIJS.

Uw reçu is het bewijs dat u een waardevol product heeft gekocht. Berg het veilig op, zodat u het snel terug kunt vinden als u een verzekeringsclaim moet indienen of voor uw correspondentie met Marantz.

BELANGRIJK

De klant is verantwoordelijk voor het tonen van een aankoopbewijs wanneer het apparaat onder garantie moet worden gerepareerd. Uw reçu of uw factuur is een geldig aankoopbewijs.

ESPAÑOL

GARANTíA

Consulte a su distribuidor local de Marantz si desea más información sobre la garantía.

CONSERVE EL RECIBO COMO PRUEBA DE COMPRA

Su recibo constituye la prueba de compra. Guárdelo en un lugar seguro donde pueda hallarlo fácilmente en caso de que lo necesite para presentar una reclamación de garantía o mantener algún tipo de correspondencia con Marantz.

IMPORTANTE

Es responsabilidad del consumidor presentar la prueba de compra siempre que solicite alguna reparación cubierta por la garantía. La factura o el recibo son documentos válidos como prueba de compra.

ITALIANO

GARANZIA

Contattare i distributori Marantz della zona dell'utente per informazioni sulla garanzia.

CONSERVARE LA RICEVUTA COME PROVA D'ACQUISTO

La ricevuta comprova un acquisto di valore. Conservarla in un luogo sicuro e facilmente reperibile per intraprendere dei reclami, ove necessario, o quando ci si rivolga alla Marantz.

IMPORTANTE

L'utente ha la responsabilità di produrre una prova d'acquisto se vuole servirsi dell'assistenza coperta da garanzia. La ricevuta o la fattura è valida in questo senso.

PORTUGUÊS

GARANTIA

Para informações sobre a garantia, contacte o concessionário local Marantz.

GUARDE O TALão DE COMPRA COMO PR OVA

O talão de compra é a prova de ter comprado qualquer coisa de valor. Guarde-o em lugar seguro, pois pode precisar dele para obter uma cobertura de seguro ou no âmbito de correspondência com Marantz.

IMPORTANTE

Para obter um serviço coberto pela garantia, o cliente deve apresentar a prova e a data da compra. O talão ou a factura constituem provas suficientes.

SVENSKA

GARANTI

Kontakta din lokala Marantz-distributör för information om garantin.

SPAR KVITTOT SOM INKöpSBEVIS

Kvittot är ditt bevis för ett värdefullt inköp. Förvara det på en säker plats där du lätt kan hitta det för försäkringsfrågor eller korrespondens med Marantz.

VIKTIGT

Kunden ansvarar för att uppvisa inköpsbevis när service begärs som täcks av garantin. Ditt kvitto eller faktura är ett giltigt inköpsbevis.

DANSK

GARANTI

Bed din Marantz-forhandler om oplysninger om garantien.

GEM DIN KVITTERING SOM KØBSBEVIS

Din kvittering er bevis på et værdifuldt køb. Opbevar den på et sikkert sted, hvor du let kan finde den i forbindelse med eventuelle erstatningskrav eller korrespondance med Marantz.

VIGTIGT

Det er brugerens ansvar at forelægge købsbevis, hvis der er brug for det i garantiforbindelse. Din kvittering eller faktura er gyldige beviser.

CONTENTS

CE MARKING

$C \epsilon$ **English**
This ST4000 is conformity with EMC directive and low-voltage directive.

$C \epsilon$ **Français**
Le ST4000 est conforme à la directive EMC et à la directive sur les basses tensions.

$C \epsilon$ **Deutsch**
Das Modell ST4000 entspricht den EMC-Richtlinien und den Richtlinien für Niederspannungsgeräqte.

$C \epsilon$ **Nederlands**
De ST4000 voldoet ann de EMC-eisen en de vereisten voor laagspanning.

$C \epsilon$ **Español**
El ST4000 está de acuerdo con las normas EMC y las relacionadas con baja tensión.

$C \epsilon$ **Italiano**
Il ST4000 è conforme alle diettiva CEE ed a quelle per i bassi voltaggi.

$C \epsilon$ **Português**
O ST4000 conforma com as diretrizes EMC e de baixa voltagem.

$C \epsilon$ **Svenska**
ST4000 tillverkad i enlighe med EMC direktiven och direktiven för låvoltsutrusing.

$C \epsilon$ **Dansk**
ST4000 er i overensstemmelse med EMC-direktivet og lavspændingsdirektivet.

SI DICHIARA CHE L'APPARECCHIO SINTONIZZATORE ST-59 RISPONDE ALLE PRESCRIZIONI DELL'ART. 2 COMMA 1 DEL D.M. 28 AGOSTO 1995. N°. 548.

FATTO A EINDHOVEN, IL 1/1/1996.   **MARANTZ EUROPE B.V.**
                                                        5600 EINDHOVEN
                                                        THE NETHERLANDS

"Este aparato lleva elementos antiparasitarios necesarios para cumplir con los limites que se estableren en el Anexo V del Reglamento sobre Pertubaciones Radioelectricas e Interferencias aprobado en el Real Decreto 148/1989. (B.O.E. de 9 de Febrero 1989)."

FOREWORD

Be sure to read this section before any connection to the mains supply.

WARNINGS

Never expose the equipment to rain or moisture.
Never remove the equipment's cover.
Never insert anything into the equipment's vents.
Never handle the mains lead while your hands are wet.

EQUIPMENT MAINS WORKING SETTING

This Marantz product is available in two different variations, depending on geographical area. One variation has a preset mains voltage (230V for General Europe model and U.K. model), while the other variation features variable voltage that can be selected using a voltage selector on rear panel (115V/230V).
The voltage selector must be set for your local mains voltage before any connection to the mains supply. If you need to change its voltage setting, consult your dealer your local Marantz service provider.

IMPORTANT: (FOR U.K. MODEL)

This apparatus is fitted with an approved moulded 13 Amp plug.
To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.
If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

NOTE:

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

HOW TO CONNECT A PLUG (FOR U.K. MODEL)

The wires in the mains lead are coloured in accordance with the following code:
BLUE— "NEUTRAL" ("N")
BROWN—"LIVE" ("L")

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead—not simply over the two wires.

COPYRIGHT

Recording and playback of any material may require previous consent. Refer to the following for further information.

— Copyright Act 1956
— Dramatic and Musical Performers Act 1958
— Performers Protection Acts 1963 and 1972
— Any subsequent statutory enactments and orders

INTRODUCTION

Thank you for selecting the Marantz ST6000 FM/AM Stereo Tuner for your system.
Please read these operating instructions carefully. We recommend that you read the entire user guide before you attempt to connect or operate the Tuner.
After you have reviewed the contents of this manual, we suggest that you make all system connections before you attempt to operate the unit.

Refer to the figures on the pages at the back of this user's guide. The callout numbers on the figures correspond to those found in the text. All references to the connections and controls that are printed in **BOLD** type are as they appear on the unit.

INSTALLATION

Remember the following important points when installing the Tuner.

• Do not expose the component to rain or moisture, as this may cause damage to the Tuner.

• Prevent extra heat from reaching the unit. Never put the Tuner in the full glare of the sun or near a heat source.

PRECAUTIONS

The following precautions should be taken when operating the equipment.

GENERAL PRECAUTIONS

When installing the equipment ensure that:

— air is allowed to circulate freely around the equipment.
— it is placed on a vibration-free surface.
— it will not be exposed to excessive heat, cold, moisture or dust.
— it will not be exposed to direct sunlight.
— it will not be exposed to electrostatic discharges.

In addition, never place heavy objects on the equipment.
If a foreign objector water does enter the equipment, contact your nearest dealer or service center.
Do not pull out the plug by pulling on the mains lead; grasp the plug itself.
It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the AC outlet.

ST6000 FEATURES

• Max.30-station preset memory (each FM,AM) with auto preset memory function
• Remote control operation by RC-Bus
• Select the FM Antenna A/B
• Select the IF band (wide/narrow)
• Fine Tuning

LOCATION AND FUNCTION OF PARTS AND CONTROLS

FRONT PANEL FEATURES

(SEE APPEARANCE DRAWING)

① **POWER ON /STANDBY button**
This button is used to power on or power standby.

② **ANTENNA A/B button**
This button is used selection of the FM antenna A or B.

③ **IF BAND button**
This button is used for selecting the bandwidth of the FM broadcast.

④ **TIME ADJ (adjust) button**
This button is used for adjusting the current time.

⑤ **ST.NAME/DISPLAY button**
This button is used for manual tuning or selecting the display mode. Press this button slightly longer (for more than 1.5 second) to file in manually stations name in the preset memory.

⑥ **TUNING MODE button**
This button is used for selecting the manual tuning or the fine tuning mode. Fine tuning mode is available only in the FM band.

⑦ **TUNING ▲∞ (UP/DOWN) button**
This button used for tuning in the desired broadcasting stations or adjusting the time, or manual tuning, etc.

⑧ **CANCEL button**
This button is used for canceling the program during manual file or adjusting the on/off time of the timer.

⑨ **NEXT button**
This button is used for advancing to the next step during time adjustment or manual filing, etc.

⑩ **MEMO button**
This button is used for presetting the broadcasting stations.

⑪ **(Timer) ON/OFF button**
This button used for engaging the daily timer function.

⑫ **TIMER SET button**
This button is used for presetting the time when the system is turned on and off every day at a specified time.

⑬ **TUNING ▲∞ (UP/DOWN) button**
This button used for preset in the desired broadcasting stations.

⑭ **FM MODE button**
This unit automatically switches into the STEREO mode when a FM stereo broadcast is received press this button to change the monaural mode, then the "STEREO" indicator will go out on the display.

⑮ **RDS button**
When the FM RDS broadcasting is displayed, and it retrieves, this button is operated. (See page 5)

⑯ **BAND button**
This button is used for selecting the FM, MW or LW broadcast.

⑰ **DISPLAY/INDICATOR**

ⓐ **TIMER**
This indicator light up when the daily timer is engaged by pressing the timer button.

ⓑ **DAILY timer indicator**

ⓒ **TUNED indicator**

ⓓ **STEREO indicator**

ⓔ **RDS indicator**

ⓕ **PTY (program type) indicator**

ⓖ **RT. (radio text) indicator**

ⓗ **TP (traffic program) indicator**

ⓘ **TA (traffic announcement) indicator**

ⓙ **MEMORY indicator**

ⓚ **PRESET Number indicator**

ⓛ **CHARACTER indicator**
A variety of information is displayed on this indicator. time, frequency, PS. PTY, RT, stations name by manual filing. etc.

ⓜ **FM Narrow band indicator**

ⓝ **Antenna A or B indicator**

OPERATIONS

1. MEMORY PRESETTING

a. Manual operation

For example: presetting FM 90.1 M Hz, to Preset number. 10

1. Select the FM by using the BAND button.
2. Tune to 90.1 MHz by using the TUNING ▲∞ button.
3. Press the MEMO button briefly (for less than 0.5 second) Then, "MEMO" will bricking in the florescent tube display.
4. Select the preset number by using the TUNING ▲∞ button.
5. MEMO button pushed again, 90.1 MHz (broadcast station) was able to be memorized in number 10 by this.

Note:

Be sure to select the antenna A or B memorization when you preset manual memory in FM broadcast.

b. Automatic operation

1. Select the desired broadcasting (FM, AM, or LW) by using the BAND button.
2. Press the MEMO button slightly longer than 1.5 second does. Then, broadcasting will be automatically received, and as many broadcasting station are received well will be memorized preset number-01 after another
3. Check the broadcasting station by using the TUNING ▲∞ button.

Note:

1. In the case of FM automatic presetting, the antenna A, B selector is set to "A" automatically,
   And the broadcasting station is scanned twice. The stations that have stronger broadcasting signal are preset in the first time.; weaker ones are preset in the second time.
2. If a new broadcasting station is preset into a channel the broadcasting station which has been preset into that position aria will be automatically erased.
3. In mountainous or remote area broadcasting stations which have weak broadcasting signals cannot be automatically preset into the memory.
4. Max. 30 broadcasting stations each for FM, AM(MW and LW) bands can be preset.

2. LISTENING TO RADIO

1. Select FM, AM, or LW by using the BAND button.
2. Tune to the desired broadcast by using the TUNING or PRESET ▲∞ button.
3. FM broadcasting is set up to "STEREO" mode
   If the broadcasting signal is weak, or if there is a large amount of interference in FM stereo broadcast, change the monaural mode by presetting the FM MODE button.
4. Select the IF BAND (FM bandwidth)
   Select the NARROW bandwidth by pressing this button if the broadcast signal is interfered with adjacent broadcast in the FM .

3. FINE, MANUAL TUNING

This function used for selection the manual tuning of the fine tuning mode.
Fine tuning mode is available only in the FM mode.

1. Press the TUNING MODE button.
2. Every time you press this button, the following will be displayed FINE ⇔ MANUAL.

a. In FINE (Tuning) mode

When you try press the TUNING ▲∞ button, the frequency will be selected by 10 kHz step to ±50 kHz. Then, it will automatically be set to the MANUAL mode in 4 second.

b. In MANUAL (Tuning) mode

1. Press the TUNING ▲∞ button in the FM band, then the frequency will be selected by 50 kHz step.
2. In the MW band, the frequency will be selected by 9 kHz step.
3. In the LW band, the frequency will be selected by 1 kHz step.

4. DIRECT TUNING

(The following operation can be performed by connecting the RC-5 BUS system.)

1. Press the F. DIRECT (frequency direct) button
2. Next press the numeric (0 to9) button.

   For example: FM 98.10 MHz

   a. FM is chosen with BAND (or TUNER) button on remote controller.
   b. Press the F. DIRECT (Frequency Direct) button.
   c. Press the numeric button of "9".
   d. Press the numeric button of "8".
   e. Press the numeric button of "1".
   f. Press the numeric button of "0".
   g. The display fixed 98.10 MHz and broadcast station received. MW, LW band is same as above operations.

5. ADJUSTING CURRENT TIME

You can adjust the current time regardless of power on/standby.

1. Press the TIME ADJ button. Then "Hour display" indicator will blink.

   12:00
   blink

2. The hour is set with the TUNING ▲∞ button.

   10:

3. Press the NEXT button. Then "minute display" indicator will blink.

   10:00
   blink

4. The minute is set with the TUNING ▲∞ button.

   10:30
   blink

5. Press the NEXT button.
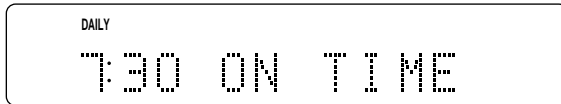
   10:30

Daily timer

Example: presetting ON time: 7:15 OFF time: 9:30

1. Press the TIMER SET button.

```
 DAILY
 12:30 ON TIME
```

2. Preset the ON time by the TUNING ▲∞ button and the NEXT button.
(Same as operation of time adjust)

```
 DAILY
 7:30 ON TIME
```

3. If ON time setting OK, Press the NEXT button.

```
 DAILY
 7:30 OFF TIME
```
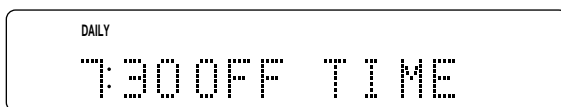
4. Preset the OFF time by the TUNING ▲∞ button and the NEXT button.
(Same as operation of time adjust)

```
 DAILY
 9:30 OFF TIME
```
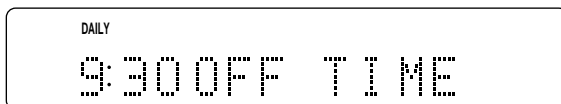
5. Press the NEXT button and the TIMER SET button.

```
 TIMER DAILY
 10:30
```

* Daily timer makes the system turn on and off at preset times every day.

* If you want to record at ON time, select the desired source with the input selector deck to the REC position.

* If the timer indicator "TIMER DAILY" is off, the daily timer doesn't work.

```
 DAILY
 10:30
```

* While setting the daily timer, if the cancel button is held depressed, the timer function will be canceled.

6. FILING (STATION NAME, ETC.)

For example: FM 98.8 MHz Preset CH-10 Station name BBC1

1. Select the preset number 10 in the preset mode.

```
 FM 98.80 MHz  PRESET CH
                       10
```
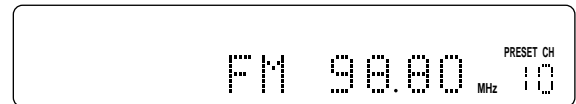
2. Press the ST.NAME/DISPLAY button long pushed (for more than 1.5 second)
Then, "_ _ _ _" will be displayed in the clock indicator.

```
 10:30 →  ___ ___ ___ ___
              blink
```
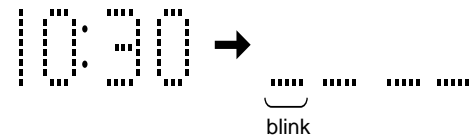
3. Select "B" with the TUNING ▲∞ button.

```
 B ___ ___ ___
   blink
```
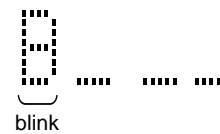
4. Press the NEXT button. and then, the cursor will move one space.

```
 B ___ ___ ___
     blink
```
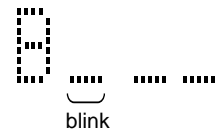
5. After selecting "BBC 1" with the TUNING ▲∞ and the NEXT button, press the MEMO button. and then, the broadcasting station name will be changed to "BBC 1".

```
 BB___ → BBC__ → BBC1
   blink      blink      blink
```
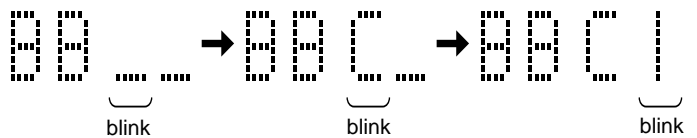
7. RDS (RADIO DATA SYSTEM)

1. What is RDS?

RDS provides such indication as station names, local times, and the types of program, the radio text ,etc. as well as FM broadcasting.

2. You can receive the following kinds of data with this RDS.

* PS (Program Service Name): displays FM station names.

* CT (Clock Timer): displays the information about times provided from the station.

* PTY (Program Type): Program type will be displayed while receiving FM broadcasting.

* RT (Radio Text): displays the news of stations composed of up to 64 symbols.

* TP (Traffic Program)

* TA (Traffic Announcement)

The data is displayed in PTY mode as follows:

3. There are 29 programme categories:

NEWS	=	News service
AFFAIR	=	Politics and current events
INFO	=	Special informative reports
SPORT	=	Sports
EDUCATE	=	Learning and continuation of education
DRAMA	=	Radio plays, literature
CULTURE	=	Culture and society
SCIENCE	=	Programmes about sciences and technology
OTHERS	=	Variety
POP	=	Pop music
ROCK	=	Rock music
MOR	=	Middle of the road music, 'easy-listening'
LIGHT	=	Light classical music
CLASSIC	=	Serious classical music
OTHER	=	Other music
WEATHER	=	Weather reports, forecasts
FINANCE	=	Financial reports, commerce, trading
CHILDREN	=	Children's programmes
SOCIAL A	=	Social affairs
RELIGION	=	Religious programmes
PHONE IN	=	Programmes in which the public expresses its view by phone.
TRAVEL	=	Travel reports
HOBBIES	=	Programmes concerning recreational activities
JAZZ	=	Jazz music
COUNTRY	=	Country music
NATION M	=	National music
OLDIES	=	Music from the so-called 'golden age' of popular music
FOLK M	=	Folk music
DOCUMENT	=	Documentaries

• If you do not receive PTY Data, "NO PTY" will be displayed.

8. RDS DISPLAY

1. Select the FM band. RDS can be received only in FM.

2. Select the RDS broadcasting by using the **TUNING ∞▲** button. Then, RDS will light up in the upper side of the FTD display. And the related data, if received, will be displayed in the type of received data (PTY, RT, TP, TA)

3. RDS

1) The default of the RDS mode is PS.

2) Press the **RDS** button.
Each time you press the button briefly (1.5 second or less), the modes will change as follows

PS → PTY → RT → TA → CT → PS

3) PS mode

– When you select the PS with the RDS button, "PS" will blink for about 4 seconds.

– After 4 seconds, PS or a station name entered by manual file will be displayed.

4) PTY mode

– When you select the PTY with the RDS button, PTY will brink for about 4 seconds, the type of received PTY will be displayed.

– If there is no PTY data among received broadcasting, RDS mode will be switched to PS mode automatically.

5) RT mode

– When you select the RT with the **RDS** button, "RT" will blink for about 4 seconds, After 4 seconds, the data received broadcasting, the RDS mode will be automatically switched to the PS mode.

6) TA mode (TP search function)

– When you select the TA with the **RDS** button, "TA" will be blink for about 4 seconds, TP received broadcasting will be searched with the FM frequency increasing in 50 kHz steps.

– If TP received broadcasting is searched, the increase in frequency will be stop and it is asked whether TA will be received or not.

– If TP and TA turn off while you are receiving the TA, the tuner will search the TA broadcasting again with the FM frequency increasing in 50 kHz steps.

7) CT mode

– When you select the CT with the **RDS** button, "CT" wills blink for about 4 seconds. After 4 seconds, the clock time together with the frequency will be displayed. "CT" can be received regardless of whichever RDS mode. The tuner is set to.

* Not to use CT mode,

1. Press and hold the **RDS** button for longer than 8 seconds, and press briefly the **RDS** button within 0.5 seconds.

– The indicator will be changed as follows:

PS → PTY → RT → TA → (NO CT) → PS

– In this mode, although "CT " data are entered, the time is not changed to the current time.

2. In "NO CT" mode, press and hold the **RDS** button for longer than 8 seconds.

– The indicator will be changed as follows:

PS → PTY → RT → TA → CT

3. PTY Search

1) Press the **RDS** button for longer then 1.5 second. Then "SEARCH" will be shown in the display.

2) Select the desired PTY mode by using the **TUNING ∞▲** button.

3)

– If you press the **NEXT** button, the PTY mode wills blink in the clock display.

– Searching will start when you push the **TUNING ∞▲** button.

– When the PTY mode that you have selected is searched, searching will stop and the PTY mode will be displayed.

– If there is no program in the PTY mode, you have selected, searching will stop at the frequency started.

TROUBLESHOOTING GUIDE

If your Tuner should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or our service organization.

Symptom	Probable cause (s)	Suggested remedy
No sound	INPUT SELECTOR of amplifier is not Select "TUNER" in INPUT SELECTOR	set to "TUNER"
	Volume of amplifier positioned in "MIN."	Adjust Volume accordingly
	The terminal for system connection is pullet out.	Connect the terminal for system Connection correctly
Only noise is heard	The antenna is pulled out The frequency is not detected exactly	Connect the antenna on the rear panel. Set the frequency correctly
Broadcasting is received but with noise	The position of antenna is not suitable.	Install the antenna again after locating the best reception position.
	The power of CD player is turned on	Turn off CD player.

WHEN TO USE RESET SWITCH

• When this system is subjected to an electrical shock.

• When the power is irregular.

In the above cases, function buttons may not often operate or the display may operate wrongly. In these cases, try the following:

— Rear panel —
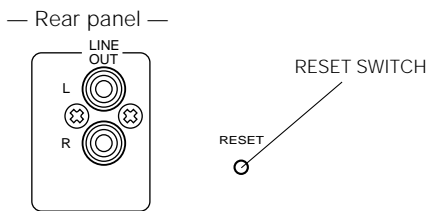
Press the RESET switch lightly once or twice with a pencil or a ballpoint pen.

CARE AND MAIN TENANCE

This section describes the care and maintenance tasks that must be performed to optimize the operation of your Marantz equipment.

CLEANING OF EQUIPMENT EXTERNAL SURFACES

The exterior finish of your ST6000 will last indefinitely with proper care and cleaning. Never use scouring pads, steel wool, scouring powders or harsh chemical agents (e.g., lye solution), alxohol, thinners, benzine, insecticide or other volatile substances as these will mar the finish of the equipment. Likewise, never use cloths containing chemical substances. If the equipment gets dirty, wipe the external surfaces with a soft, lint-free cloth.

If the equipment becomes heavily soiled:

– dilute some washing up liquid in water, in a ratio of one part detergent to six parts water;

– dip a soft, lint free cloth in the solution and wring the cloth out until it is damp;

– wipe the equipment with the damp cloth;

– dry the equipment by wiping it with a dry cloth.

REPAIRS

Only the most competent and qualified service technicians shoud be allowed to service your unit. Marantz and its factory trained warranty station personnel have the knowledge and special equipment needed for the repair and calibration of this precision instrument.

In the event of difficulty, call the proper toll-free telephone number listed on the face of the warranty to obtain the name and address of the Marants Authorized Service Center nearest you. In many cases, the dealer where you purchased your Marants unit may be equipped to provide service. Please include the model, serial number of your unit together with a copy of your purchase receipt and a full description of what you feel is abnormal in its behaviour.

Memory backup

• In case a power outage occurs or the power cord is accidentally unplugged, the ST6000 is equipped with a backup function to prevent memory data such as the preset memory from being erased.
The memory funcitons are backed up for up to about one week.

SPECIFICATIONS

FM section

Frequency range .... 87.5 MHz to 108.0 MHz

50 kHz steps: Manual mode

(10 kHz steps: Fine mode)

Sensitivity (S/N: 30 dB) .... 1.2 μV

Total harmonic distortion (1 kHz)

    Mono .... 0.08 %

    Stereo .... 0.15 %

Signal to Noise ratio

    Mono: .... 80 dB

    Stereo: .... 75 dB

Selectivity (±400 kHz)

    Wide mode .... 65 dB

    Narrow mode .... 80 dB

Frequency Response .... 20 Hz to 15 kHz (+1.0, -3.0 dB)

Image Rejection .... 70 dB

AM Suppression .... 55 dB

Stereo Separation (1 kHz) .... 50 dB

MW Section

Frequency range .... 522 kHz to 1620 kHz (9 kHz step)

Sensitivity (S/N: 20 dB) .... 50 dBμV /m

Signal to Noise ratio .... 50 dB

Total harmonic distortion .... 1.0 %

Image Rejection .... 35 dB

LW Section

frequency range .... 146 kHz to 290 kHz (1 kHz step)

Sensitivity (S/N: 20 dB) .... 57 dBμV /m

Signal to Noise ratio .... 45 dB

Total harmonic distortion .... 1.0 %

Image Rejection .... 35 dB

General

Power supply .... AC 230 V 50 Hz

Power consumption .... 7.6 W

Dimension (WxHxD) .... 440 x 96 x 307 m/m

Weight (Net) .... 3.8 kg

Accessories

Remote control connection cord x1

Audio signal connection cord x1

FM indoor antenna x1

AM loop antenna x1
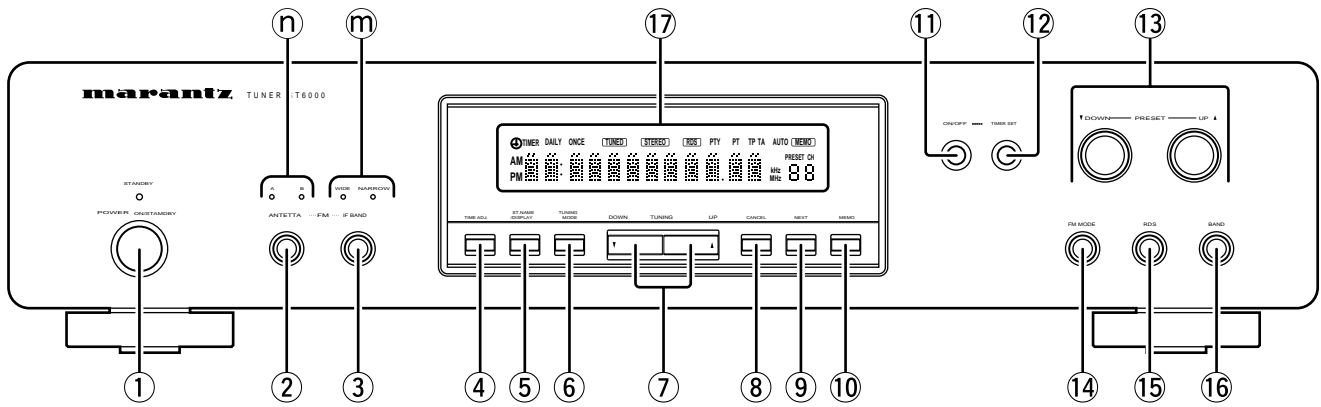
Note:

Improvements may result in specification or feature changes without notice.

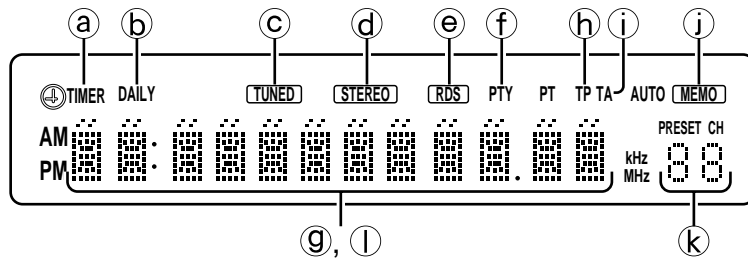Photos and illustrations may differ slightly from production models.

FIGURES

BEFORE USE

CAUTION: Do not plug the power cord of any component into AC outlets and do not turn their POWER switches on until connections have been performed.

Roof-top FM Antenna(75 ohms)

Matching Transformer (optional)

Lead-type FM Antenna(75) (provided)

AM(MW)Indoor Loop Antenna (provided)

AM(MW)Outdoor Antenna 5 to 12m

Tuner

FM ANTENNA B   FM ANTENNA A   AM ANTENNA
75Ω   75Ω   GND   AM

LINE OUT   REMOTE CONTROL
R   L

RESET

RCA Pin Plug Cord (Provided)

RCA Pin Plug Cord (Provided)

To AC Outlet

Stereo Amplifier

marantz

SYSTEM 1: MINIMUM 8 OHMS
SYSTEM 2: MINIMUM 8 OHMS
SYSTEM 1 AND 2: MINIMUM 16 OHMS
SPEAKER SYSTEMS 1

PHONO   CD   TUNER   AUX   TAPE 2   TAPE 1
                               IN   OUT   IN   OUT

REMOTE CONT
IN
OUT

R   R

SPEAKER SYSTEMS 2

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CONTROLS AND FUNCTIONS

FL-DISPLAY

COUNTRY	COMPANY	ADDRESS
AUSTRALIA	Scan audio Pty. Ltd.	4 Station Street, Thornleigh NSW 2120, Australia
AUSTRIA	Huber & Prohaska GmbH	Taborstraße 95 / Ladestraße 1, Gebäude Hangartner, A-1200 Wien, Austria
BELGIUM	Van der Heyden Audio N.V.	Brusselbaan 278, 9320 Erembodegem, Belgium
BULGARIA	Ariescommerce GmbH	Makedonia Blvd. 16, 1606 Sofia, Bulgaria
CANADA	Lenbrook Industries Limited	633 Granite Court, Pickering, Ontario
CYPRUS	Empire Hifi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
CZECH REPUBLIC	Audio International	Fugnerova 1, 67801 Blansko, Czech Republic
DENMARK	Hi-Fi Klubben Denmark	Aboulevarden 1, DK-8000 Arhus C., Denmark
DUBAI	V.V.& SONS	P.O. Box 105, Dubai, U.A.E.
ESTONIA	Audio International Baltic	Lo Hu 12, EE0026 Tallin, Estonia
F.Y.R.O.M.	T.P. KODI	ul.Cedomir Kantargiev 21a, Skopje, Former Yugoslavian Republic of Macedonija
FINLAND	Hi-Fi Klubi Finland	Uudenmaankatu 4-6, SF-00120 Helsinki, Finland
FRANCE	Marantz France	A division of Marantz Europe B.V., P.O. Box 301, 92 156 Suresnes Cedex, France
GERMANY	Marantz Deutschland	Hakenbusch 3, 49078 Osnabrück, Germany
GREECE	Adamco S.A.	188, Hippocratous Street, 11471 Athens, Greece
HEADQUARTERS EUROPE:	Marantz Europe B.V.	Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands
HONG KONG	Marantz Asia Ltd.	Unit 1706, Metroplaza II, 223 Hing Fong Road, Kwai Fong, N.T., Kowloon, Hong Kong
HUNGARY	Infovox Ltd.	Terez Krt.31, 1067 Budapest, Hungary
ICELAND	Radiobudin HF	Skipholti 19, P.O. Box 424, 121 Reykjavik, Iceland
INDIA	Marantz India	c/o Philips India Ltd., Plot 80, Bhosari Industrial Estate Pune - 411026, India
IRAN	Home Co.	5th floor no 878 Philips Building Enghelab ave, P.O. 11365/7844 Tehran, Iran
IRELAND	Marantz Ireland	Clonskeagh, Dublin 14, Ireland
ISRAEL	Elmor Ltd.	52 Heh Beiyar Street, Kikar Hamedina, Tel Aviv, Israel
ITALY	Marantz Italy	Via Casati 23, 20052 Monza (Milano), Italy, Servizio Consumatori 1678-20026, Numero Verde
JAPAN	Marantz Japan Inc.	35-1 Sagami Ohno 7-Chome, Sagamihara-shi, Kanagawa 228-8505, Japan
KOREA	Mk Enterprises Ltd.	121-210, 2F Shinhan Bldg., 247-17 Seokyo-dong, Mapo-ku, Seoul, Korea
KUWAIT	alAlamiah Electronics Intl.	P.O. Box 8196, Salmiah 22052, Kuwait
LATVIA	Ace Ltd.	61, LacPlesa Str., Riga LV 1011, Latvia
LEBANON	AZ Electronics S.A., 1,	P.O. Box 11 2833, Beirut, Lebanon
LITHUANIA	A Accapella Ltd.	Ausros, Vartu G5, Pasazo Skg., 2001 Vilnius, Lithuania
MALAYSIA	Wo Kee Hong Electronics Sdn. Bhd.	102 Jalan SS 21/35, Damansara Utama, 47400 Petaling Jaya, Selangordarul Ehsan, Malaysia
MALTA	Doneo Co Ltd.	78 The Strand, Sliema SLM07, Malta
MAURITIUS	SKR Electronics Ltd.	P.O. Box 685, Bell Village, Port Louis, Mauritius
NETHERLANDS	Marantz Trading	A division of Marantz Europe B.V., Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands
NEW ZEALAND	Scan audio Pty. Ltd.	4 Station Street, Thornleigh NSW 2120, Australia
NORWAY	Hi-Fi Klubben Norway	Lillegrensen 7, N-0159 Oslo, Norway
OMAN	Mustafa & Jawad Trading CO.	P.O. Box 1918, Ruwi, Oman
POLAND	Marantz Polska	Ul. Marszalkowska 45/49, 00-648 Warszawa, Poland
PORTUGAL	Corel2	Comércio de Electrónica Lda., Av. Luís Bívar, No 85 A, 1050 Lisboa, Portugal
PROFESSIONAL EUROPE	Marantz Professional Products	Kingsbridge House, Padbury Oaks, 575-583 Bath Road, Longford, Middlesex UB7 0EH, U.K.
PROFESSIONAL U.S.A.	Marantz Professional Products	Distributed by: Superscope Technologies Inc., 1000 Corporate Blvd. Ste.D, Aurora, Illino
QATAR	Almana & Partners W.W.L.	P.O. Box 49, Doha, Qatar
REUNION	Vision +	180 Rue du Marechal Leclerc, 97400 Saint Denis, Ile de la Reunion
ROMANIA	Alltrom SRL	Soseaua Bucuresti, Ploiesti 10, Sector 1, Bucharest, Romania
RUSSIA	Trade Company SV	Bld. 2, 7 Montazhnaya Street, 107497 Moscow, Russia
SAUDI ARABIA	Ultimate Fidelity	Sameria Comm. Center, Roadah Dist., P.O. Box 7760, Jeddah 21472, Saudi Arabia
SINGAPORE	Forward Marketing (S) Pte. Ltd.	Wo Kee Hong Centre, 29 Leng Kee Road, Singapore 159099, Singapore
SLOVAKIA	Audio International Slovakia	Nam. SNP 10, 96001 Zvolem, Slovakia
SLOVENIA	Bofex	Smartinska 152, HALA V/3, 61000 Ljubljana, Slovenia
SOUTH AFRICA	Coherent Imports (PTY) Ltd.	P.O. Box 1614, Alberton, 1450, South Africa
SPAIN	Marantz Spain	Martinez Villergas 2, Apartado 2065, Madrid 28027, Spain
SWEDEN	Hi-Fi Klubben A.B.	Tegnersgatan 21, S-412 52 Gotenborg, Sweden
SWITZERLAND	Sound Company AG	Postfach, 8010 Zürich, Switzerland
TAHITI	Covecolor	Av. Prince Hinoi, Cours de l'union sacré, P.O. Box 2334, Papeete, Tahiti
TAIWAN	Pai-Yuing Co. Ltd.	6th No 148 Sung Kiang Road, Taipei 10429, Taiwan R.O.C.
THAILAND	MRZ Standard Co. Ltd.	746-750 Mahachai Road, Wangburapa, Bangkok 10200, Thailand
TURKEY	Penta Elektronic	Sanayi Ve Ticaret Ltd. Sti., Selvi Kokak, No. 4/1, Senlikkoy, 34810 Florya, Istanbul, Turkey
U.K.	Marantz Hifi UK Ltd.	Kingsbridge House, Padbury Oaks, 575-583 Bath Road, Longford, Middlesex UB7 0EH, U.K.
U.S.A.	Marantz America Inc.	440 Medinah Road, Roselle, IL 60172, U.S.A.
YUGOSLAVIA	ITM	Ljutice Bogdana la, Belgrade, Yugoslavia
EXPORT	Marantz Trading	A division of Marantz Europe B.V., Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands

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