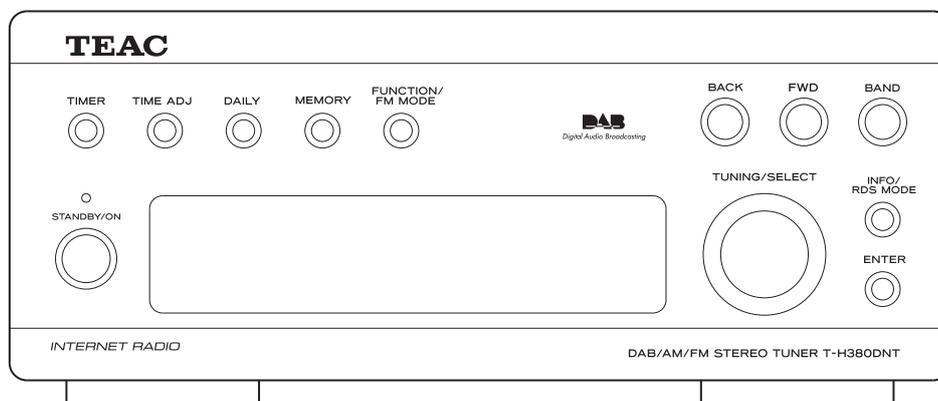


TEAC

T-H380DNT

DAB/AM/FM Stereo Tuner

OWNER'S MANUAL



	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- Do not expose this apparatus to drips or splashes.
- Do not place any objects filled with liquids, such as vases, on the apparatus.
- Do not install this apparatus in a confined space such as a book case or similar unit.
- The apparatus draws nominal non-operating power from the AC outlet with its STANDBY/ON switch in the standby position.
- The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
- The main plug is used as the disconnect device, the disconnect device shall remain readily operable.
- An apparatus with Class **I** construction shall be connected to an AC outlet with a protective grounding connection.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Excessive sound pressure from earphones and headphones can cause hearing loss.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

- DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE WITHIN!
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT TEAC FOR A SERVICE REFERRAL. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

This product is protected by certain intellectual property rights of Microsoft.

Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.

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Thank you for choosing TEAC. Read this manual carefully to get the best performance from this unit.

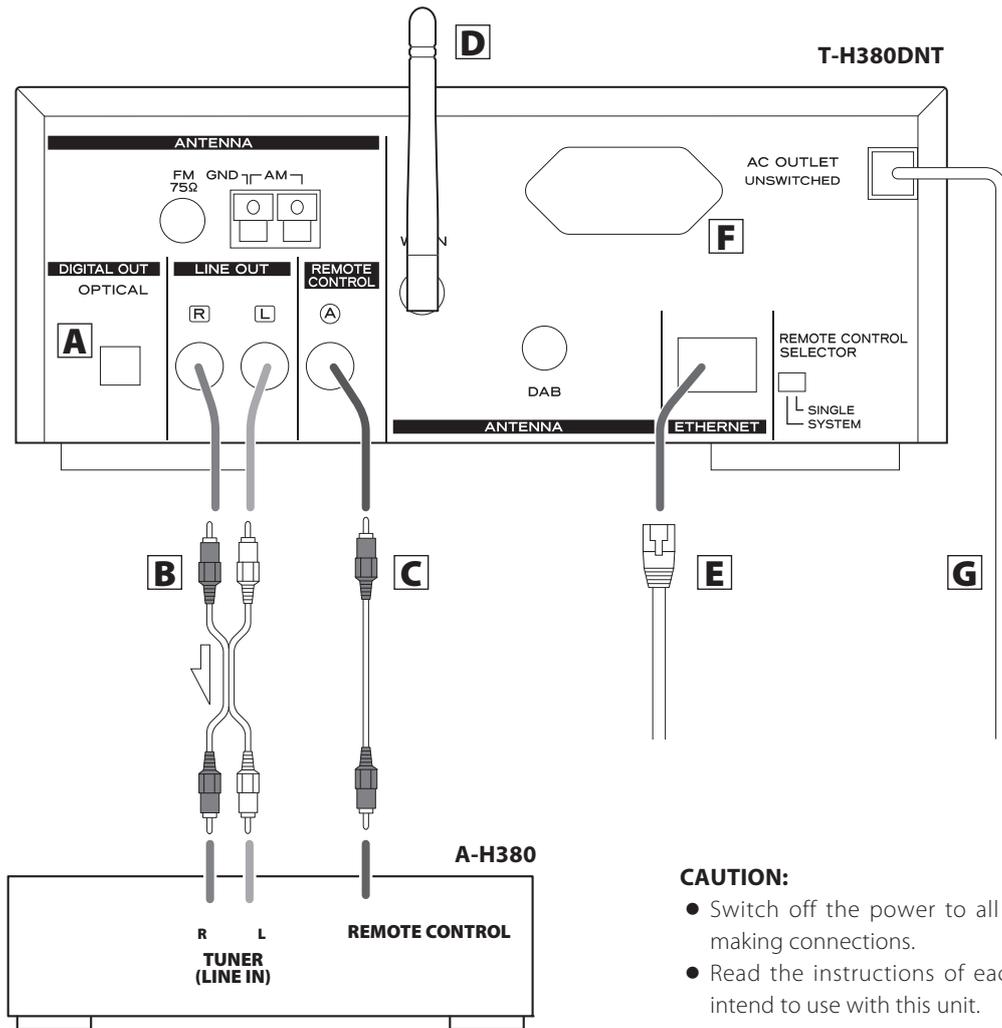
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Before use

Read this before attempting any operations.

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation. Make sure there is at least 20 cm of space above and at least 5 cm of space on each side of the unit. Do NOT place anything on top of the unit.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on an amplifier/receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the unit, contact your dealer or service company.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry or slightly damp cloth.
- Keep this manual in a safe place for future reference.

Connection



CAUTION:

- Switch off the power to all equipment before making connections.
- Read the instructions of each component you intend to use with this unit.

A DIGITAL OUT terminal

Digital audio signal of DAB, Internet radio and the Music Player is output from this terminal. If you want to record digitally, or decode the signal using an external digital decoder, connect to the digital input terminal of a digital recording device or a decoder using a commercially-available optical digital cable.

- When inserting the plug of the optical cable, the protective shutter of the terminal will open and you should hear it click into position when fully inserted. Be careful that you do not force the plug, because this could result in damage to the protective shutter, the cable, or the unit itself.

B LINE OUT jacks

These jacks transmit an analog 2-channel audio signal. Connect these jacks to the TUNER jacks of the amplifier (A-H380) with a stereo RCA pin cable.

Make sure to connect the cable as follows:

- white plug → white jack (L: left channel)
- red plug → red jack (R: right channel)



- Be sure to insert each plug securely. To prevent hum and noise, avoid bundling the signal interconnection cables together with the AC power cord or speaker cables.

Connecting Antennas (DAB)

C REMOTE CONTROL jack

If you have TEAC A-H380, convenient system control operations are available:

- When you tune in a station, the input selector of the A-H380 is set to "TUNER" automatically.

When you want to use the remote control functions, connect the REMOTE CONTROL jack of each component by a remote control connection cord, and set the REMOTE CONTROL SELECTOR switch on the rear panel of the T-H380DNT to "SYSTEM".

- You can use the remote control unit RC-1179 (provided for A-H380). Aim the remote control unit at the A-H380 to operate this unit.

When the REMOTE CONTROL SELECTOR switch is set to "SINGLE", aim the remote control unit at this unit.

Note:

The remote control unit is not provided for this unit.

D Wireless LAN antenna

If you can use a wireless LAN in your installation site, the unit connects to the LAN using the wireless LAN antenna. Stand the antenna up to use it.

E ETHERNET port

To enjoy the Internet radio function, connect the unit to the Internet.

- To use a wired Internet connection, connect the Ethernet port of this unit to the Ethernet network using a commercially available Ethernet cable.

F AC OUTLET

You can connect the AC power cord of your component.

Caution:

Make sure that the total power consumption of all equipment connected to this outlet does not exceed 100 watts (or 500mA).

G AC power cord

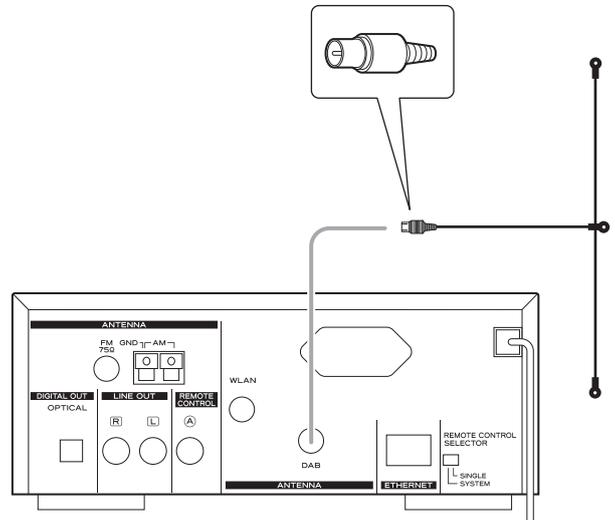
After all other connections are complete, connect the plug to the AC wall socket.

Be sure to connect the power cord to an AC outlet which supplies the correct voltage.

Hold the power plug when plugging or unplugging the power cord.

DAB Indoor Antenna

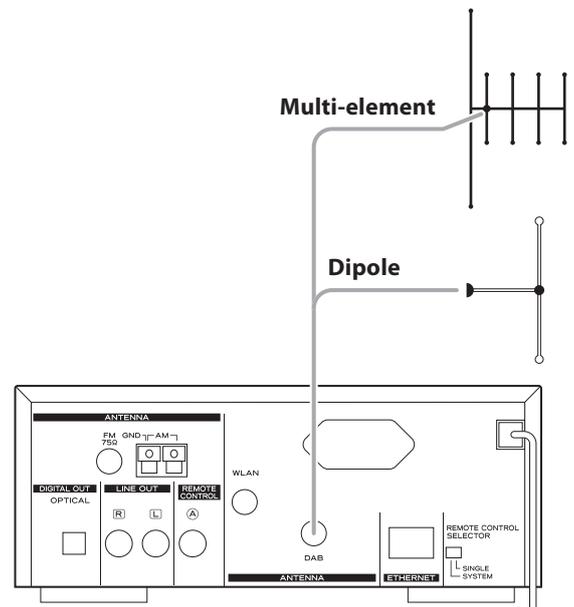
Connect the T-type DAB antenna to the DAB antenna terminal. Extend the lead vertically and attach it to a window frame or wall with thumbtacks or the like.



- You can adjust the antenna positioning for the best reception by viewing the signal strength on the display. See "Manual Tune" on page 10.

DAB Outdoor Antenna

In an area where DAB signals are weak, it will be necessary to use an outdoor DAB antenna.



- It is possible to use a TV antenna or an FM antenna to receive DAB signals. This may give a stronger signal than a simple internal antenna.

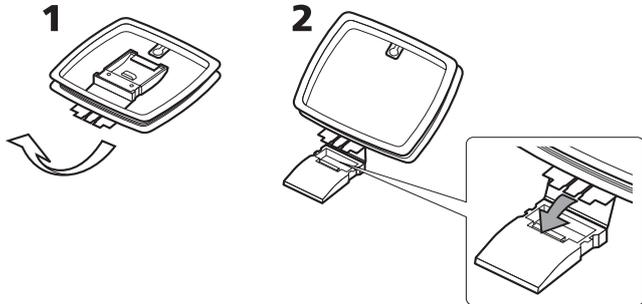
You would need to change the plug on your TV/FM antenna to an F type, and it may also be necessary to use a signal booster to enhance the signal.

Connecting Antennas (AM/FM)

AM Indoor Loop Antenna

The high-performance AM loop antenna provided for this unit is sufficient for good reception in most areas.

To stand the loop antenna on a surface, fix the claw to the slot in the antenna base.



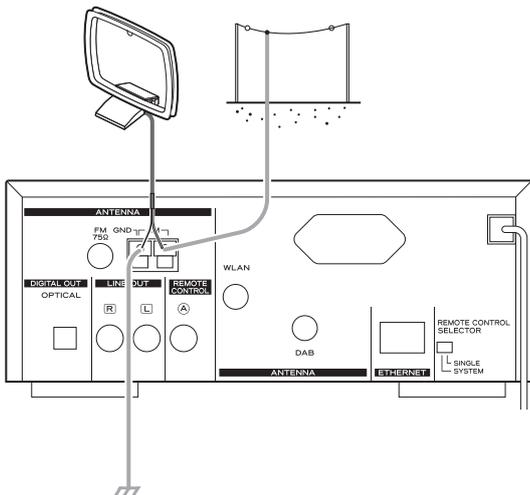
Connect the loop antenna's wires to the AM antenna terminals.

- Make sure to connect the black wire to the GND terminal.

Place the antenna on a shelf or hang it on a window frame, etc., in the direction which gives the best reception. Keep all other wires such as power cords, speaker wires or interconnected wires as far away as possible from the antenna.

AM Outdoor Antenna

If the AM loop antenna provided does not deliver sufficient reception (often due to being too far from the transmitter or in a concrete building, etc.), it may be necessary to use an outdoor AM antenna.



Use either a high quality commercially available AM antenna or, if not available, an insulated wire more than 5 m long, strip one end, and connect this to the terminal as shown.

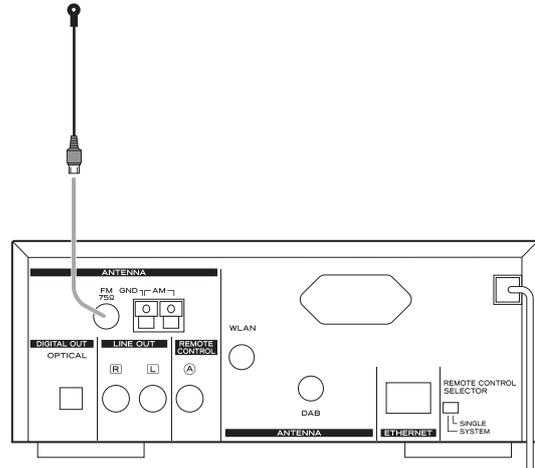
The antenna wire should be strung outdoors or indoors near a window. For better reception, connect the GND terminal to a reliable ground.

- Even when using an outdoor AM antenna, do not disconnect the AM loop antenna.

FM Indoor Antenna

Connect the lead-type FM antenna to the FM 75Ω socket, extend the lead and tune in your favourite station (see page 14).

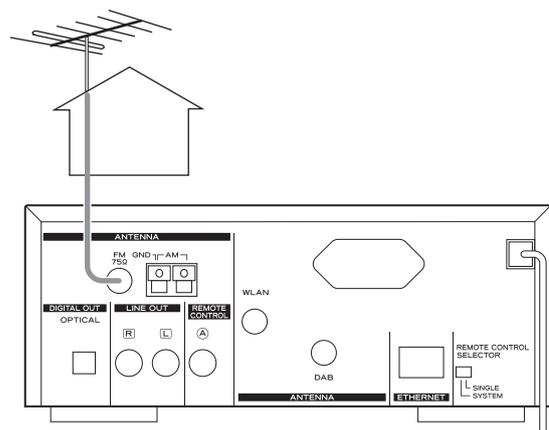
Adjust the antenna in a suitable location like a window frame or wall which gives the best reception and then fix the antenna in that position with thumbtacks or the like.



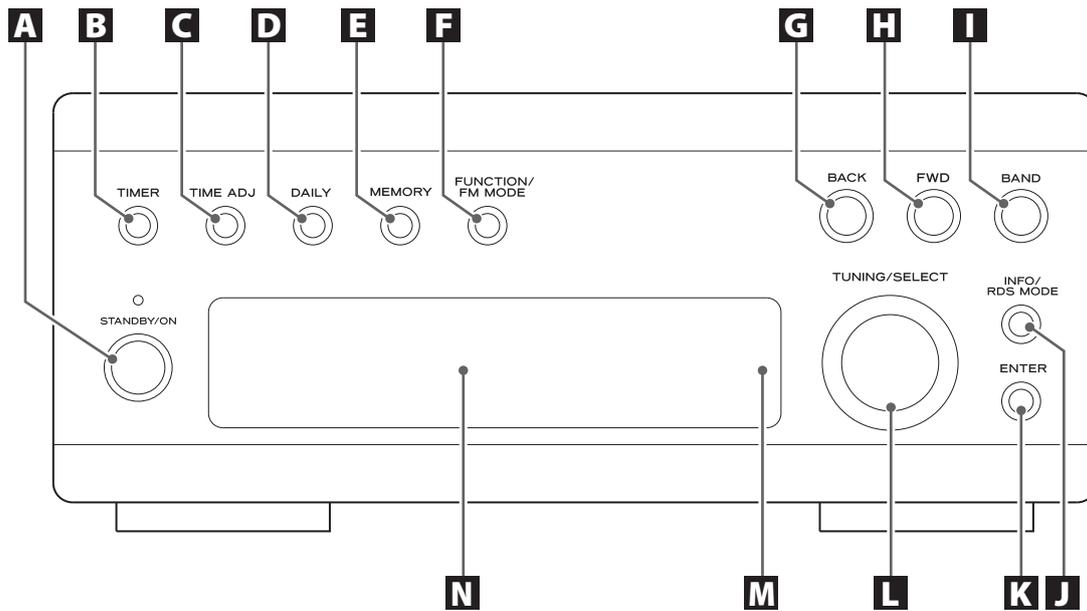
FM Outdoor Antenna

In an area where FM signals are weak, it will be necessary to use an outdoor FM antenna. Generally, a 3-element antenna will be sufficient; if you live in an area where the FM signals are particularly weak, it may be necessary to use one with 5 or more elements.

- Disconnect the FM indoor antenna when using an outdoor antenna.



Parts Identification



A STANDBY/ON

Press this button to turn the unit on or put in the standby mode. The standby indicator is orange when the unit is in the standby mode. When the unit is turned on, it lights in blue. The standby indicator lights in blue and orange alternately when the timer is set.

B TIMER

Press this button to turn on or off the timer function.

C TIME ADJ

Press this button to adjust the clock.

D DAILY

Press this button to set the timer.

E MEMORY

Press this button to store preset stations into memory.

F FUNCTION/FM MODE

While listening to FM, press this button to select stereo or monaural.
While listening to DAB, the Internet radio or the Music Player, press this button to open menus.

G BACK

While entering characters, press this button to select a character. While operating menus, press this button to go back to the previous display.

H FWD

While entering characters, press this button to select a character.

I BAND

Press this button to select FM, AM, DAB or Internet Radio.

J INFO/RDS MODE

While listening to FM, press this button to select the RDS mode. While listening to DAB or the Internet radio, press this button to change the information on the second line of the display.

K ENTER

Press this button to enter your selection. While listening to FM or AM, press this button to change the tuning mode.

L TUNING/SELECT

Turn this knob to tune in a station, to select a preset station, or to select a menu item.

M Remote sensor

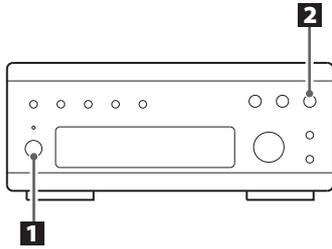
When using the remote control unit, point it towards the remote sensor.

N Display

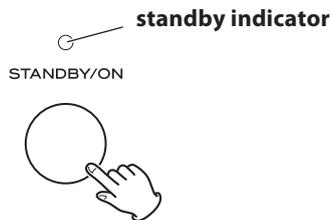
DAB Basic operations

Setting up your DAB Tuner

The first time you select DAB as the source, the unit will scan for DAB channels and build a channel list.

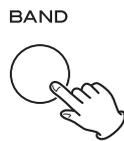


1 Press the STANDBY/ON button to turn the unit on.



The standby indicator lights in blue.

2 Select DAB by pressing the BAND button repeatedly.



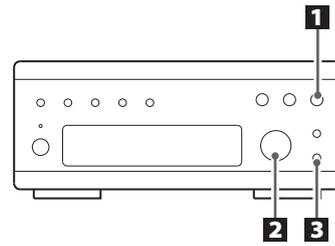
The unit will scan for ensembles broadcast in the local area and add them to the channel list as they are found. The scan should take about 20 seconds.

Scanning...
209.93MHz

After broadcast services have been found, the channels are listed in alphanumeric order.

- If no broadcast services are found, please check that the antenna is correctly connected to the unit.

Using the Channel List



1 Select DAB by pressing the BAND button repeatedly.

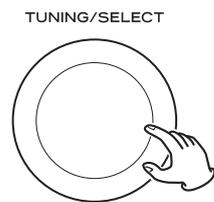


The list of available channels is displayed.

- If the channel list is not displayed, turn the TUNING/SELECT knob.

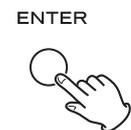
2 Scroll through the channels in the channel list.

Turn the TUNING/SELECT knob.



▶ BBC Radio 1
BBC Radio 1Xtra

3 When you have found the channel that you want to listen to, press the ENTER button.



Selecting...



BBC 6
Jazz festival on

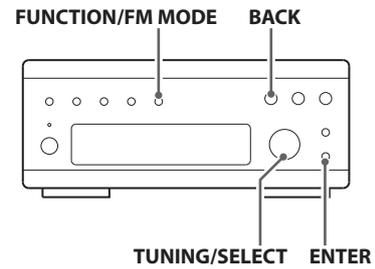
The channel is tuned in and channel information is displayed.

Note

- To display the channel list while listening to a DAB channel, turn the TUNING/SELECT knob.
- Channels are displayed in alphanumeric order in the channel list, with numbers coming first.
- If a channel is no longer broadcasting or the unit is moved out of the area of a broadcast channel, the unit will no longer be able to tune in the channel. If the channel cannot be tuned in, a question mark "?" is displayed in front of the channel name. If you select this channel to tune in by pressing the ENTER button, "No stations Available" is displayed.
- You can move the channel that is no longer available to the end of the channel list. See "Station order" on page 12.

DAB menu operations

In DAB mode, use DAB menu to access various functions. There are 7 options in the DAB menu.



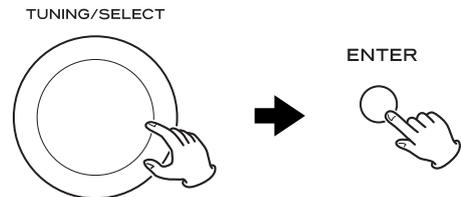
To open DAB menu

Press the FUNCTION/FM MODE button while DAB is selected as the source.



To select the menu item

Turn the TUNING/SELECT knob to scroll to the menu item you want, and then press the ENTER button.



To go back to the previous screen

Press the BACK button.



DAB menu items

Station List

See "Using the Channel List" on page 8.

Local Scan

See "Channel Scan" on page 10.

Full Scan

See "Channel Scan" on page 10.

Manual Tune

See "Manual Tune" on page 10.

Preset Tune

See "Preset Tune" on page 11.

DRC

See "DRC value" on page 11.

Station Order

See "Station order" on page 12.

Using DAB Menu 2

Channel Scan

If you move the unit to a new area or you want to check to see if there are new channels available in your area, you can scan DAB bands to find new channels.

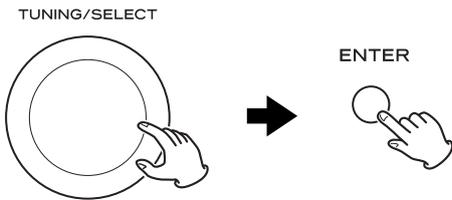
1 Open the DAB menu.

Press the FUNCTION/FM MODE button while DAB is selected as the source.



2 Select "Local Scan" or "Full Scan".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Local Scan

The unit will scan the DAB bands between 10A and 13F and add the channels found to the channel list.

Full Scan

The unit will scan all the DAB bands and add the channels found to the channel list. Try this if "Local Scan" does not find the channels you want.

Manual Tune

The signal strength is displayed. This may be useful when adjusting or positioning an antenna for better reception.

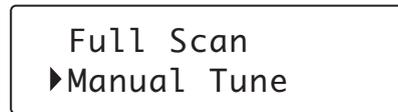
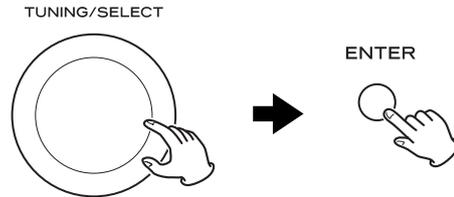
1 Open the DAB menu.

Press the FUNCTION/FM MODE button while DAB is selected as the source.



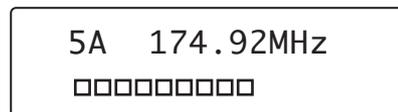
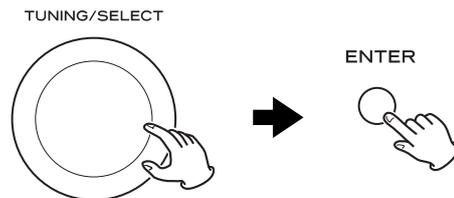
2 Select "Manual Tune".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



3 Select the channel you want to tune in.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



The signal strength indicator is displayed.

4 While viewing the indicator, adjust or reposition the antenna until the best reception is indicated.

Preset Tune

Use this to select the DAB preset station.

- See page 15 for the procedure of presetting DAB stations.

1 Open the DAB menu.

Press the FUNCTION/FM MODE button while DAB is selected as the source.

FUNCTION/
FM MODE

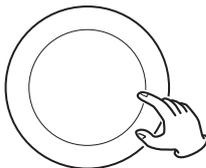


▶Station List
Local Scan

2 Select "Preset Tune".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

TUNING/SELECT



ENTER

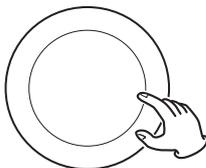


Manual Tune
▶Preset Tune

3 Select the desired preset station.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

TUNING/SELECT



ENTER



DRC value

This option sets the Dynamic Range Control (DRC) value to be applied to received broadcasts. DRC is used to reduce the range between high and low volumes of audio and is sometimes applied at the broadcast source. Pop music may have a high value of DRC applied, appropriate for constantly high listening levels, while classical music broadcasts may have no DRC applied to allow the listener to hear the full dynamic range of the source volume.

1 Open the DAB menu.

Press the FUNCTION/FM MODE button while DAB is selected as the source.

FUNCTION/
FM MODE

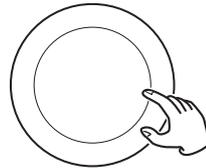


▶Station List
Local Scan

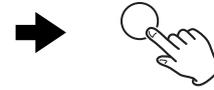
2 Select "DRC".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

TUNING/SELECT



ENTER

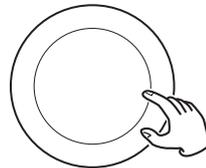


Preset Tune
▶DRC

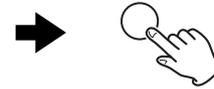
3 Select the desired level of DRC.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

TUNING/SELECT



ENTER



DRC high *
▶DRC low

DRC off

No DRC is applied.

DRC low

Medium.

DRC high

Maximum.

- Current setting is marked with "*".

Station order

You can select the order in which stations are listed.

1 Open the DAB menu.

Press the FUNCTION/FM MODE button while DAB is selected as the source.

FUNCTION/
FM MODE

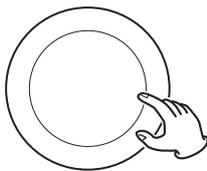


▶Station List
Local Scan

2 Select "Station Order".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

TUNING/SELECT



ENTER

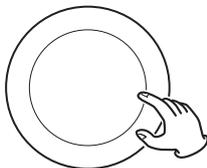


DRC
▶Station Order

3 Select the desired option.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

TUNING/SELECT



ENTER



Alphanumeric *
▶Ensemble

Alphanumeric

This is the default order. Channels are listed by name with numbers first and then alphabetically by letters in the channel name.

Ensemble

Channels are listed by ensemble name.

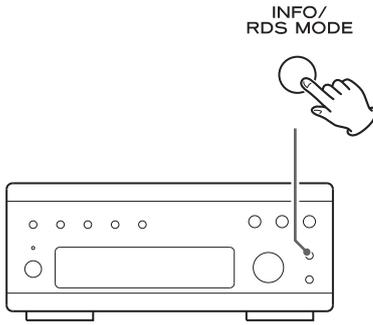
Valid

This option will list active stations at the top of the channel list, and channels that are in the list but have no service in your area at the end.

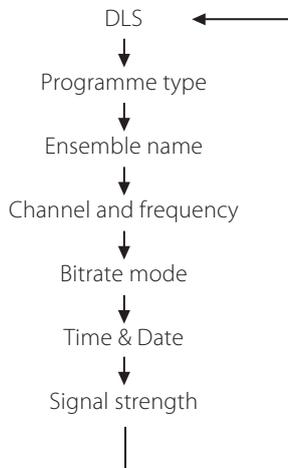
- Current setting is marked with "*".

Changing Display Settings

You can choose the type of information displayed in the second line of the display while listening to a DAB channel.



Each time the INFO/RDS MODE button is pressed, the information is displayed as follows.



DLS

The Dynamic Label Segment (DLS) is the scrolling text label supplied by the radio station. It may be information on music titles or details regarding the programme or station.

BBC Radio 5 Live
WEEKDAY NEWS & D

Programme type

This is a description of the type of broadcast supplied by the radio station such as Pop, Rock or Classical music.

BBC Radio 5 Live
Drama

Ensemble name

This displays the name of the ensemble that is broadcasting the programme.

BBC Radio 5 Live
BBC National DAB

Channel and frequency

This displays the channel and frequency of the current playing broadcast.

BBC Radio 5 Live
11C 220.35MHz

Bitrate mode

This displays the bitrate of the current playing broadcast.

BBC Radio 5 Live
192kbps Stereo

Time & Date

This displays the current time and date, which is supplied by the radio station and should always be accurate.

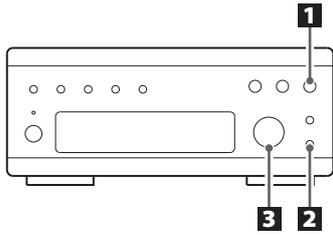
BBC Radio 5 Live
10:03 19-04-2009

Signal strength

This displays the signal strength of current ensemble.

BBC Radio 5 Live
Signal Str 215

Listening to FM/AM



1 Select FM or AM by pressing the **BAND** button repeatedly.



2 Select the desired tuning mode.



Each time the ENTER button is pressed, the tuning mode changes as follows:

Manual tune

FM < Manual tune >
108.00MHz

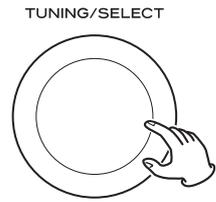
Auto tune

FM < Auto tune >
108.00MHz

Preset tune

FM < Preset tune >
CH01 108.00MHz

3 Select the station you want to listen to.



Manual tuning mode

Turn the TUNING/SELECT knob until the station you want to listen to is found.
The frequency changes by a fixed step (FM: 50 kHz steps, AM: 9 kHz steps).

Auto tuning mode

Turn the TUNING/SELECT knob to begin auto tuning.
When a station is found, the unit tunes in the station automatically. Repeat this step until the station you want to listen to is found.

- Press the ENTER button to stop the auto tuning.

FM Mode

Pressing the FUNCTION/FM MODE button alternates between Stereo mode and Mono mode.



Stereo:

FM stereo broadcasts are received in stereo and "Stereo" is displayed.

FM 10:00 Stereo
108.00MHz

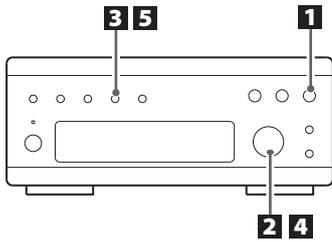
Mono:

Select this mode when the signal is weak. Reception will be forced monaural, reducing unwanted noise.

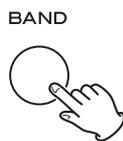
Preset Tuning 1

Manual Preset (DAB/AM/FM)

You can store up to 30 FM, 30 AM and 20 DAB stations.



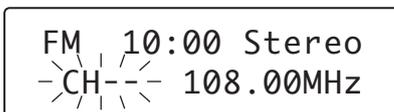
1 Select DAB, AM or FM by pressing the BAND button repeatedly.



2 Tune in the station you want to store.

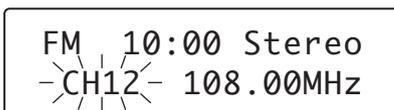
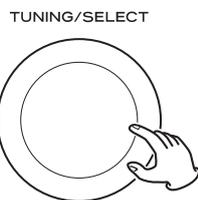
See the previous page for the procedure of tuning.

3 Press the MEMORY button.



4 Within 4 seconds, select the preset number for this station.

Turn the TUNING/SELECT knob.



5 Within 4 seconds, press the MEMORY button.

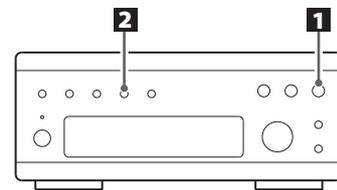
MEMORY



The station is stored.

- To store more stations, repeat steps **2** to **5**.
- If you do not press the MEMORY button within 4 seconds after selecting the preset number, presetting will be cancelled.

Presetting Automatically (FM/AM only)



1 Select FM or AM by pressing the BAND button repeatedly.

BAND



2 Press and hold the MEMORY button for more than 3 seconds.

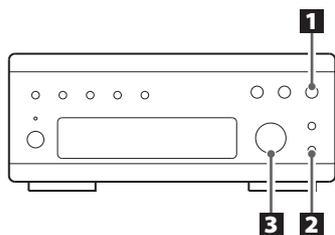
MEMORY



Up to 30 of the best received stations in your area will be stored automatically.

Preset Tuning 2

How to select preset stations (FM/AM)

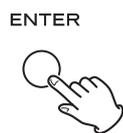


- 1 Select AM or FM by pressing the BAND button repeatedly.



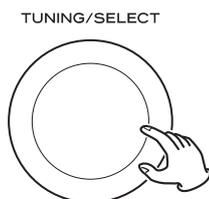
- 2 Select the preset tuning mode.

Press the ENTER button repeatedly until "Preset tune" is displayed.



FM <Preset tune>
CH01 108.00MHz

- 3 Select a preset channel by turning the TUNING/SELECT knob.



The selected preset channel is tuned in.

How to select DAB preset stations

See "Preset Tune" on page 11.

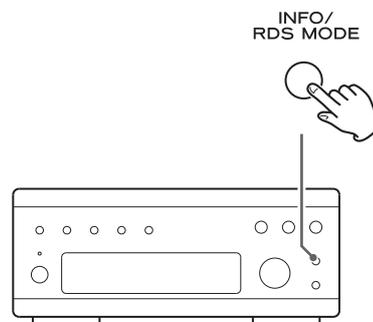
RDS

The Radio Data System (RDS) is a broadcasting service which allows stations to send additional information along with the regular radio programme signal.

RDS works on the FM waveband in Europe only.

- 1 Tune in an FM station (see page 14).

- 2 Press the INFO/RDS MODE button.



Each time the INFO/RDS MODE button is pressed, the RDS mode is changed as follows:

PROGRAM SERVICE

When you select PROGRAM SERVICE, "PROGRAM SERVICE" will blink for about 3 seconds and then the programme service name or a station's name will be displayed. If there is no programme service data, the frequency will be displayed.

PROGRAM TYPE

When you select PROGRAM TYPE, "PROGRAM TYPE" will blink for about 3 seconds and then the programme type will be displayed.

RADIO TEXT

When you select RADIO TEXT, "RADIO TEXT" will blink for about 3 seconds and then the news of stations composed of up to 64 symbols will be displayed.

If there is no radio text data, RDS mode will be automatically switched to PROGRAM SERVICE mode.

TRAFFIC ANNOUNCE

When you select TRAFFIC ANNOUNCE, "TRAFFIC ANNOUNCE" will blink for 3 seconds and then the unit searches for a traffic announcement.

- When a traffic programme is found, the TRAFFIC ANNOUNCE mode is switched to PROGRAM SERVICE mode.

If the station currently selected is transmitting a traffic program signal, the RDS mode will be switched to PROGRAM SERVICE mode without searching for a traffic program.

When T-H380DNT and A-H380 are connected by remote control cords

After selecting TRAFFIC ANNOUNCE, you can select any other source by turning the INPUT SELECTOR of the A-H380.

If a station broadcasting traffic announcement is found, the INPUT SELECTOR of the A-H380 will be automatically switched to "TUNER". If the station stops broadcasting traffic announcement, the INPUT SELECTOR will automatically return to the previously selected source.

CLOCK TIME

Displays the information about times provided from the station. When you select CLOCK TIME, "CLOCK TIME" will blink for about 3 seconds and then the clock time will be displayed.

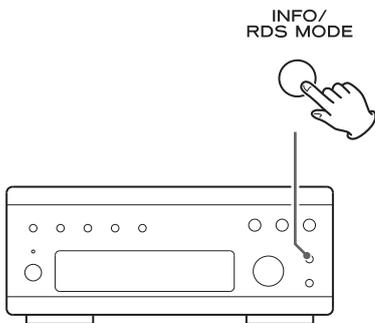
The clock setting of this unit is automatically adjusted according to the CLOCK TIME (CT) data.

If you tune in an RDS station broadcasting incorrect CT data, the clock might be wrongly adjusted, and that may eventually affect the timer operation.

When you do not want the clock of this unit to be set according to the CT data, turn off the auto clock adjustment.

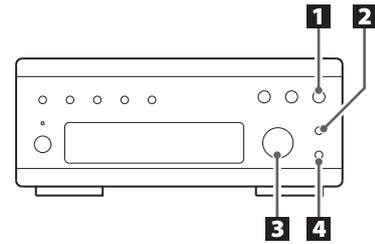
- No matter which RDS mode is selected, the unit receives CT data and adjusts the clock.

To turn off the auto clock adjustment, press and hold the INFO/RDS MODE button for more than 10 seconds.



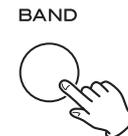
- To turn on the auto clock adjustment again, press and hold the INFO/RDS MODE button for more than 10 seconds.
- When the auto clock adjustment is turned off, CLOCK TIME is not displayed.

PTY Search

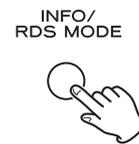


You can search for stations by programme type.

1 Select FM by pressing the BAND button repeatedly.

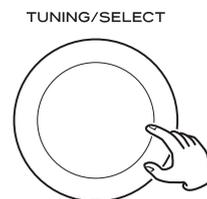


2 Press the INFO/RDS MODE button for more than 3 seconds.



3 Select the desired programme type (PTY).

Turn the TUNING/SELECT knob to select an item



Select your desired one from among 31 kinds of PTY programmes. The programme type will blink.

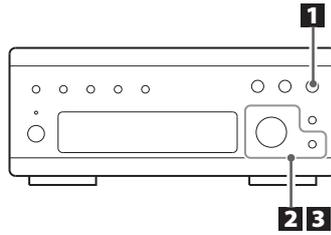
4 Press the ENTER button.



Searching starts.

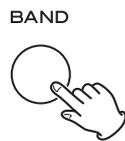
- When the broadcast whose programme type you have selected is found, searching stops and the programme type will be displayed.
- If the broadcast of selected programme type is not found during PTY Search, it will stop at the beginning frequency.
- If you want to stop searching, press the INFO/RDS MODE button.

Internet Radio Initial Setup



When you use the Internet radio function for the first time, the unit starts an initial setup procedure to connect to the Internet.

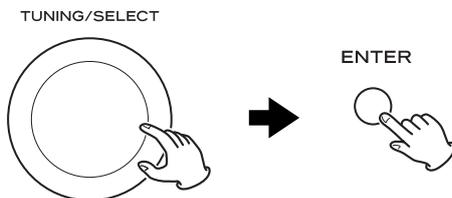
1 Select Internet Radio by pressing the BAND button repeatedly.



Initial setup wizard starts.

2 Select your country/area.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

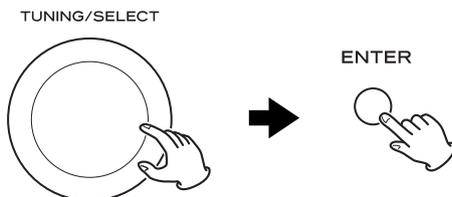


▶Most of Europe
USA

- To go back to the previous screen, press the BACK button.

3 Select a network name you want to use.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



▶005AD904JM2
[Wired]

- To use a wired Internet connection, select "[Wired]".

4 Enter the correct password for the network if required.

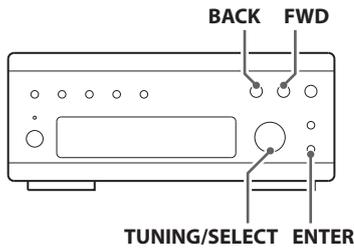
- See "How to input characters" on page 19.

Now the unit starts to connect to the Internet.

When connection is established successfully, the Internet radio menu is displayed. See page 19 to select a station.

- If you have a problem connecting to the Internet, see page 29.

How to input characters



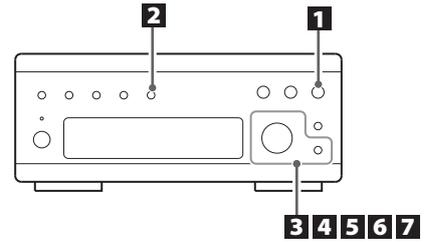
Key: Ge
 0123456789<EC

1. Turn the TUNING/SELECT knob to select a set of characters.
2. Press the BACK button and the FWD button to select the character you want to input.
3. Press the ENTER button to input the selected letter.
Repeat steps 1 to 3 to input next characters.

- <: Deletes the last character.
- E: Enters your input.
- C: Cancels the operation and goes back to the previous screen.

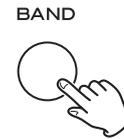
Characters you can input

0123456789
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 (space)!"#%&'()*+,-./:;<=>?@[\]_`{|}~



Listening to an Internet radio station/a Podcast

1 Select Internet Radio by pressing the BAND button repeatedly.



2 Open the Internet radio menu.

Press the FUNCTION/FM MODE button.

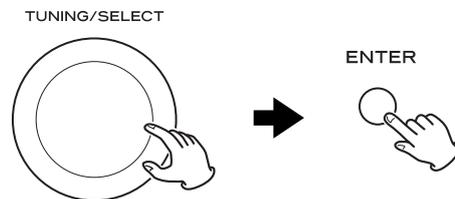


▶ Last listened
Station list

The Internet radio menu appears.

3 Select "Station list".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



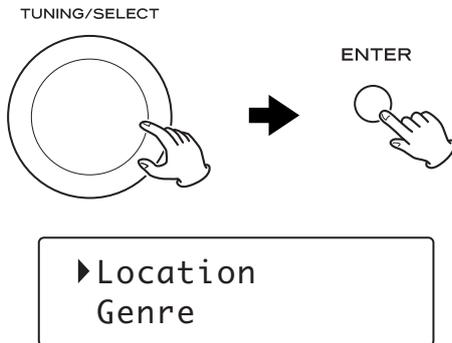
▶ My Favourites
Stations

- To go back to the previous screen, press the BACK button.

Listening to Internet Radio 2

4 Select "Stations" for Internet radio stations, or "Podcasts" for Podcasts.

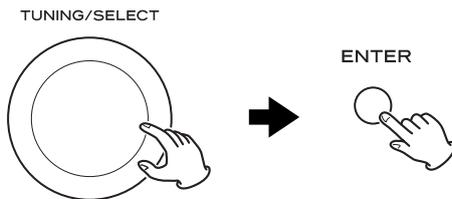
Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



A list of search methods appears.

5 Select a search method.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Location:

Search by the location of the broadcaster.

Genre:

Search by the genre of music played on the station/Podcast.

Search stations:

Search by the station's name.

Search podcasts:

Search by the Podcast's name.

Popular stations:

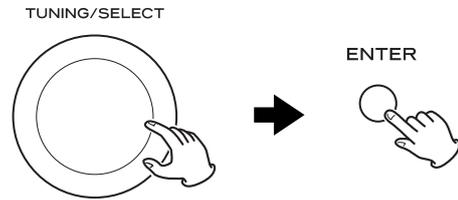
Select from a list of popular stations.

New stations:

Select from a list of recently added stations.

6 If you have selected "Location", "Genre" or "Search stations" in step 5, search for the channel you want.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



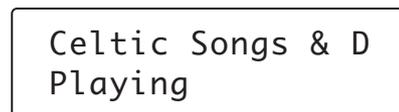
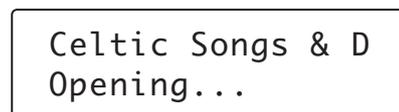
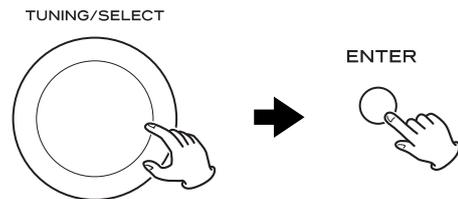
- For the operations of inputting characters, see "How to input characters" on page 19.



A list of stations/Podcasts is displayed.

7 Select a station or a Podcast you want to listen to.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Now you can listen to the station/Podcast.

Finding stations/Podcasts

The Internet radio menu contains various ways of finding stations and Podcasts.

Last listened

You can select the station/Podcast from the ones you listened to recently.

Station list

My favourites

List of stations/Podcast you stored as favourite is displayed. Select a station/Podcast you want to listen to. Favourites are stored on the Internet radio portal. See the next column and page 22.

Stations

List of Internet radio stations is displayed.

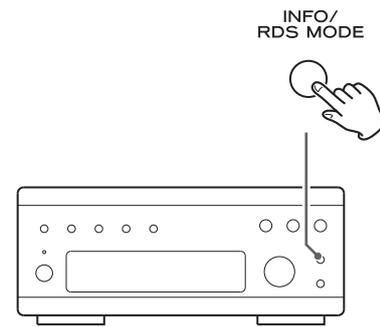
Podcasts

List of Podcasts is displayed.

My Added Stations

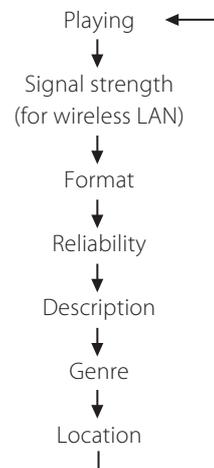
Even though the station list contains thousands of stations, you may want to listen to stations not listed. You can add your own stations via the Internet radio portal. See page 22.

Changing the displayed information

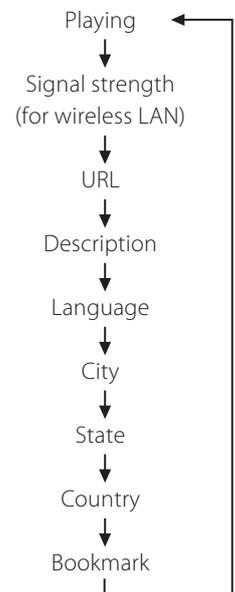


Each time the INFO/RDS MODE button is pressed, information on the second line of the display changes.

Internet radio:



Podcast:



- The types of information displayed may vary depending on the stations/Podcasts.

Storing the current station/Podcast as favourite

Press and hold the MEMORY button until "Favourite Added" is displayed.

MEMORY



- Your favourite stations can be easily accessed from "My favourites" in "Station list".
- You can also add to your favourite stations using the Internet radio portal. (See "Radio Portal" on page 22.)

Internet radio portal

Access the radio portal on the Internet using your computer to fully enjoy the Internet radio function of this unit.

- You can create a list of your favourite stations/Podcasts on the portal. This list can be viewed from your unit, making it easier for you to find your usual programmes. You can see the list of your favourite stations in the Internet radio menu as follows:
Station list → My favourites
- If the station/Podcast you want to listen to is not in the channel list, you can create your own list. You can see the list of your added stations in the Internet radio menu as follows:
Station list → My Added Stations

Accessing the radio portal

1. Open your Internet browser and access <http://www.wifiradio-frontier.com>.
2. Click on the "Register" link to start registration.
3. Input your access code and log in.

Checking the "access code" of your unit

Each unit of T-H380DNT has its "access code". This code is required to log in the Internet radio portal.

- 1** Select Internet Radio by pressing the **BAND** button repeatedly.



- 2** Open the Internet radio menu.

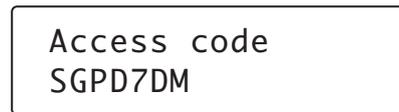
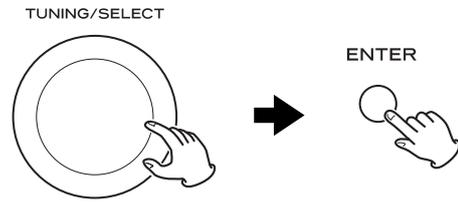
Press the FUNCTION/FM MODE button.



- 3** Select "Station list", "Help", and then "Get access code".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

Repeat this operation until the menu you want appears.



The access code of your unit is displayed.

Setting up Music Player

About the Music Player function

Using the Music Player function, you can play back the music files in your computers through the LAN.

There are two ways of connecting to the computer: using media sharing and using file sharing.

Media sharing

Media sharing allows this unit to play back a shared media library on the computer, as well as browsing the tracks using tag items such as artist names, genres and album names.

You need a PC running on Windows XP or Windows Vista, and Windows Media Player 10 or later on it.

File sharing

To use file sharing method, you need to configure your music files open to access, so that other computers or T-H380DNT can read those files.

This method is available both on Windows and on Mac.

Preparations for media sharing

Preparations on the computer

- 1 Connect your T-H380DNT to the LAN.**
- 2 Connect the computer to the LAN.**
- 3 If the tracks you want to share are not yet added to the media library of Windows Media Player, add them to the media library.**
- 4 On Windows Media Player, open "Library", then "Media sharing".**
Your T-H380DNT appears in the device list as "Unknown Device".
- 5 Select the "Unknown Device" and click "Allow".**
Your T-H380DNT acquires access to the shared library.

- For the procedure of playback, see "Listening to Music Player (Media Sharing)" on page 24.

Preparations for file sharing

Preparations on the computer (Windows)

- 1 Check the name of the Domain or the Workgroup your computer belongs to.**

To enable file sharing, your computer needs to be a member of a Domain or a Workgroup.

Usually, your computer belongs to a Workgroup by default. To see the name of the Domain or the Workgroup your computer belongs to, check the PC setting as follows:

Control Panel → System → Computer Name

- 2 Configure the music folder you want to share.**

Right click on the music folder to share. Select "Sharing and Security", and set it as read-only.

- 3 Check the user account name and its password.**

To access the computer from T-H380DNT, you need the user account name and the password of the computer.

Preparations on the computer (Macintosh)

- 1 Configure the file sharing.**

From the System Preferences window, open "Sharing". Start "Personal File Sharing" and "Windows Sharing".

- 2 Copy the music files you want to share into the "Sharing" folder.**

- 3 Check the user account name and its password.**

To access the computer from T-H380DNT, you need the user account name and the password of the computer.

Preparation on the unit

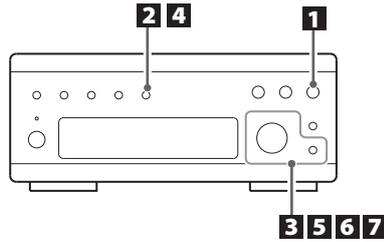
- 1 Enter the user name and the password required to access the computer.**

Enter the user name and the password in **3** above following the menu as follows:

Main menu → System setup → Internet setup → PC Setup → User Name / Password

- For the procedure of playback, see "Listening to Music Player (File Sharing)" on page 25.

Listening to Music Player (Media Sharing)



1 Select Internet Radio by pressing the BAND button repeatedly.



2 Open the Internet radio menu.

Press the FUNCTION/FM MODE button.

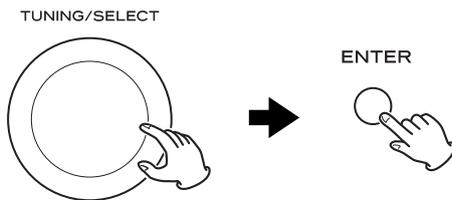


▶ Last listened
Station list

The Internet radio menu appears.

3 Select "Main Menu", then "Music Player".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Music Playback
mode

The Music Player function is activated.

4 Open the Music Player menu.

Press the FUNCTION/FM MODE button.

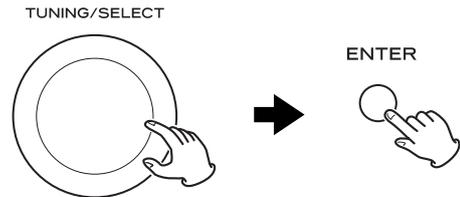


▶ Browse
Main menu

The Music Player menu appears.

5 Select "Browse", then "Shared Media".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

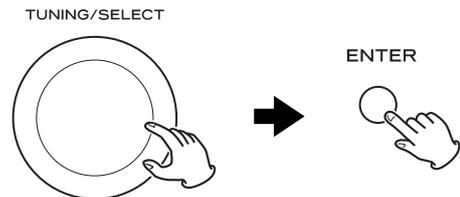


A list of shared media library appears.

- To go back to the previous screen, press the BACK button.

6 Select a media library you want to listen to.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

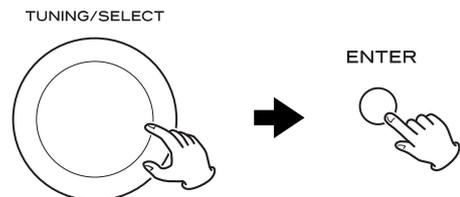


▶ Genre
All Artists

The music index of the selected media library appears.

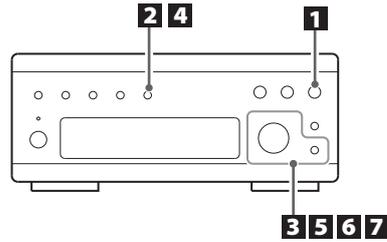
7 Select the track you want to listen to.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Playback of the selected track starts.

Listening to Music Player (File Sharing)



1 Select Internet Radio by pressing the BAND button repeatedly.



2 Open the Internet radio menu.
Press the FUNCTION/FM MODE button.

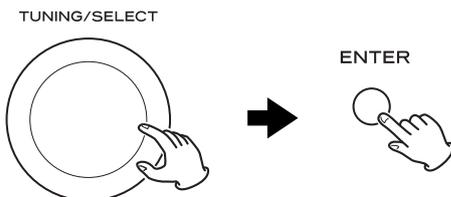


▶ Last listened
Station list

The Internet radio menu appears.

3 Select "Main Menu", then "Music Player".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Music Playback
mode

The Music Player function is activated.

4 Open the Music Player menu.

Press the FUNCTION/FM MODE button.

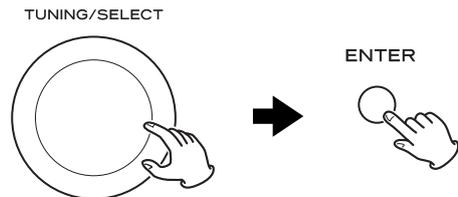


▶ Browse
Main menu

The Music Player menu appears.

5 Select "Browse", then "Shared folder".

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

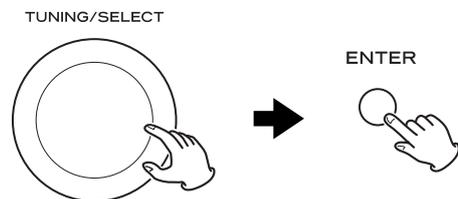


The names of connected Domains and Workgroups appear.

- To go back to the previous screen, press the BACK button.

6 Select the Domain or the Workgroup your computer belongs to, then select your computer.

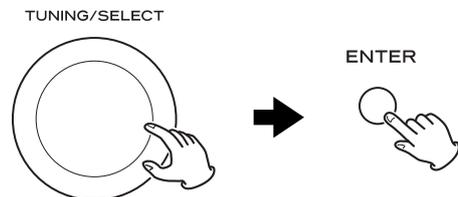
Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



A list of shared folders on the selected computer appears.

7 Select the file you want to listen to.

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.



Playback of the selected file starts.

Software update

The software of the unit can be updated via the Internet connection, so that you are able to use the latest features of the unit. Regularly check for updates.

- 1 Select Internet Radio by pressing the BAND button repeatedly.**



- 2 Open the Internet radio menu.**

Press the FUNCTION/FM MODE button.

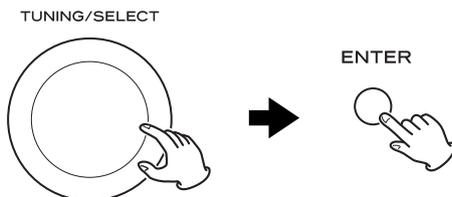


▶ Last listened
Station list

- 3 Select "Main Menu", "System setup", and then "Software update".**

Turn the TUNING/SELECT knob to select the item, and then press the ENTER button.

Repeat this operation until the menu you want appears.



Internet setup
▶ Software update

If an update is available, the unit automatically starts download and installation of the new software.

- You can check the current software version of your unit using the Internet radio menu. Follow the menu items as follows:
Main Menu → Info → SW version

Performing the setup wizard

If you have moved or modified your network environment, or if you have a problem connecting to the Internet, perform the initial setup wizard to establish the Internet connection again.

Follow the menu items as follows:

Main Menu → System setup → Internet setup → Wizard

Setting the wireless network

If you are using a wireless network for the unit and you have moved to a new location, change the area setting so that network connection is established properly.

Follow the menu items as follows:

Main Menu → System setup → Internet setup → Wlan region

Manual Internet setup

You can check and modify detailed settings of the Internet connection.

Follow the menu items as follows:

To check the current network settings

Main Menu → System setup → Internet setup → View settings

To configure settings

Main Menu → System setup → Internet setup → Manual settings

To delete a network profile

Main Menu → System setup → Internet setup → Network profile

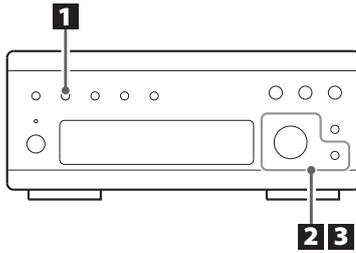
To check the Radio ID of your unit

The Radio ID may be required when you contact our customer support.

Follow the menu items as follows:

Main Menu → Info → Radio ID

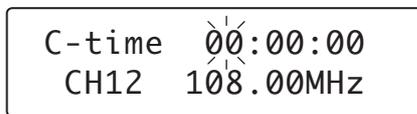
Setting the Clock



- The unit uses the 24-hour clock.

1 Press the TIME ADJ button.

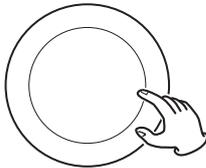
TIME ADJ



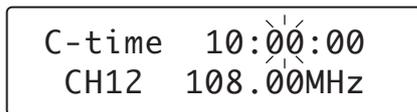
The hour value flashes.

2 Turn the TUNING/SELECT knob to set the current hour, and press the ENTER button.

TUNING/SELECT



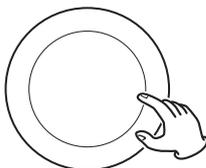
ENTER



The hour is set, and the minute value flashes.

3 Turn the TUNING/SELECT knob to set the current minute, and press the ENTER button.

TUNING/SELECT

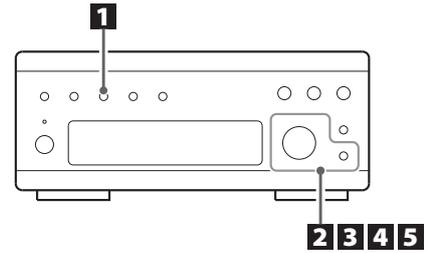


ENTER



The clock starts from 00 second.

Setting the Daily Timer 1

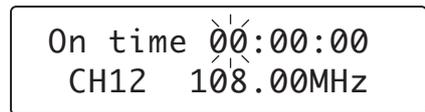


This function is available only when REMOTE CONTROL jacks of the T-H380DNT and the A-H380 are connected with a remote control connection cord.

- Adjust the clock before setting the timer.

1 Press the DAILY button.

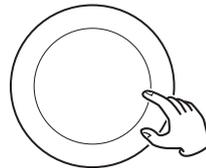
DAILY



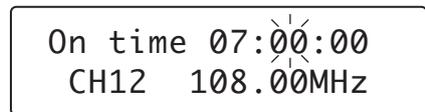
"On time" appears on the display, and the hour value flashes.

2 Turn the TUNING/SELECT knob to set the start time (hour), and press the ENTER button.

TUNING/SELECT



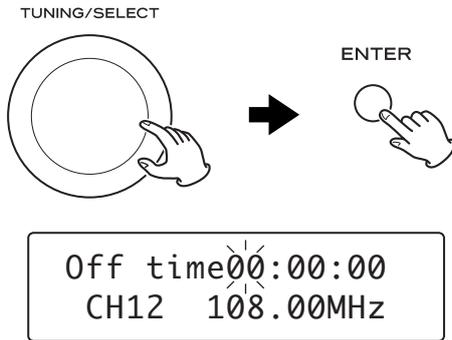
ENTER



The hour is set, and the minute value flashes.

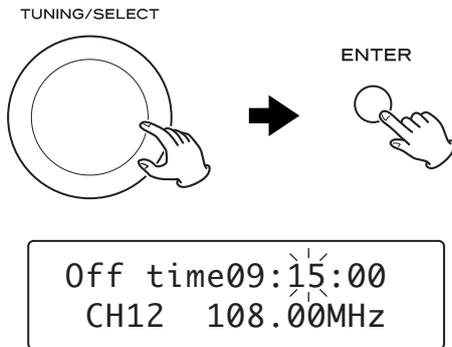
Setting the Daily Timer 2

- 3** Turn the **TUNING/SELECT** knob to set the start time (minutes), and press the **ENTER** button.



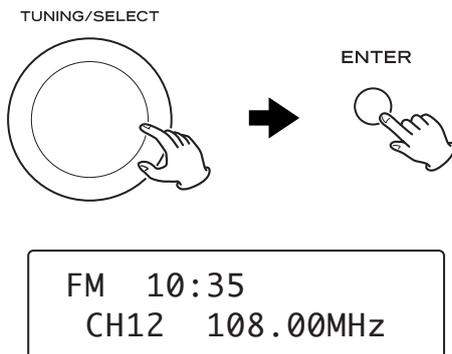
The on-time is set. "Off time" appears on the display, and the hour value flashes.

- 4** Turn the **TUNING/SELECT** knob to set the stop time (hour), and press the **ENTER** button.



The hour is set, and the minute value flashes.

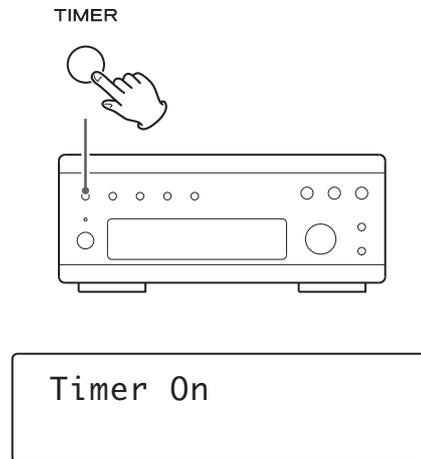
- 5** Turn the **TUNING/SELECT** knob to set the stop time (minutes), and press the **ENTER** button.



Now the timer setting is stored in memory.

To turn on the timer

- 1** Press the **TIMER** button repeatedly until "Timer On" is displayed.



- 2** On A-H380, select the source you want.

- 3** Prepare playback source.

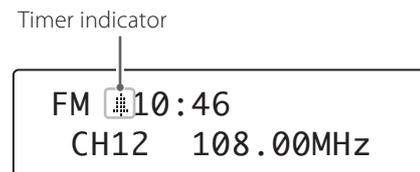
When the source is set to "iPod", insert an iPod.

When the source is set to "CD", set a disc.

When the source is set to "TUNER", tune in a station.

- 4** Press the **STANDBY/ON** button of the remote control unit of A-H380 to turn all the units standby.

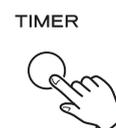
- When the timer is turned on and the source is AM or FM, the timer indicator lights up on the display of this unit.



- When the timer is turned on and the unit is on standby, the standby indicator of this unit lights in blue and in orange alternately.
- When the on-time comes, all the units connected by remote control cords turn on together. On this unit the last station is turned in, and on the A-H380, the last source is selected.
- When the off-time comes, all the units connected by remote control cords turn into standby.

To turn off the timer

- Press the **TIMER** button repeatedly until "Timer Off" is displayed.



Troubleshooting

If you experience any problems with the unit, please take a moment to look through this chart and see if you can solve the problem yourself before you call your dealer or a TEAC service centre.

DAB tuner

No sound.

- ➔ Ensure that the unit has been able to locate DAB stations.

“NO stations Available” appears on the display.

- ➔ Check that the DAB antenna is connected (see page 5).
- ➔ Ensure that DAB broadcast covers your area.

Cannot access secondary services.

- ➔ Not all services are accompanied by secondary services. If a secondary service is available, the secondary indicator (“>>”) is displayed next to the station name.

Display goes out or displayed “service off air”.

- ➔ This may occur if a broadcaster changes the label of a service or removes the label whilst you are listening to it. The unit will try to retune to this station. If the problem persists, follow the procedure for channel scan on page 10.

A burbling sound is heard on some stations.

- ➔ DAB system is able to produce quality audio from a low level signal, but when the signal level is too low, a “burbling” sound might be heard. To reduce this, try repositioning your antenna to gain maximum signal strength.

If normal operation cannot be recovered, unplug the power cord from the outlet and plug it again.

Internet radio

Cannot connect to the Internet.

- ➔ Check if your computer can connect to the Internet using the same network.
- ➔ Enter a correct pass key to the network.
- ➔ Check the settings of your network’s firewall. The unit needs access to the following UDP and TCP ports as a minimum: 80, 554, 1755, 5000 and 7070.

Cannot listen to a station/Podcast.

- ➔ The broadcaster has a temporary trouble with Internet connection.
- ➔ Check if your Internet connection is not temporarily disconnected or disturbed.

Cannot find a station/Podcast in the station list.

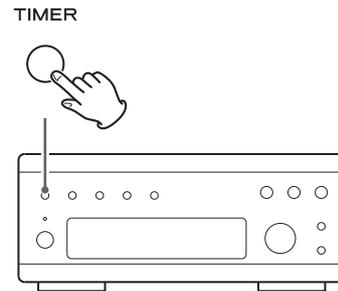
- ➔ The station/Podcast may not be broadcast at the moment.
- ➔ Add the station/Podcast to your own station list by accessing the Internet radio portal.

To reset your unit to the factory default

If your unit is not working properly, it might help to reset it to the factory default.

This will clear your network settings (including pass keys) and other user settings (preset stations etc.).

1. If the unit is on, press the STANDBY/ON button to turn the unit on standby.
2. Hold down the TIMER button.



Maintenance

If the surface of the unit gets dirty, wipe with a soft cloth or use diluted neutral cleaning liquid. Be sure to remove any fluid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit.

Specifications

FM Tuner

Tuning range	87.50 - 108.00 MHz (50 kHz steps)
Usable sensitivity	6 dB μ
Harmonic distortion	0.8 % (Mono) 1.2 % (Stereo)
Signal-to-Noise ratio	70 dB (Mono) 65 dB (Stereo)
Stereo separation	35 dB (1 kHz)
Preset stations	30

AM Tuner

Tuning range	522 - 1629 kHz (9 kHz steps)
Usable sensitivity	55 dB μ
Harmonic distortion	1.5 % (at 74 dB μ)
Signal-to-Noise ratio	45 dB (at 80 dB μ)
Preset stations	30

DAB Tuner

Tuning range	Band 3, 174 MHz - 240 MHz
Input	50 ohms, nominal
Max signal	0 dBm typ
Sensitivity	-97 dBm typ
Adjacent Channel Rejection	32 dB typ
Preset stations	20

Internet Radio

Format	MP3, WMA, RealAudio
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Internet connection

LAN terminal	10 BASE-T
Wireless LAN	IEEE 802.11b/g
Security	WEP, WPA, WPA2

General

Power requirements	AC 230 V, 50 Hz
Power consumption	12 W (Standby: 2.5 W)
Dimensions (W x H x D)	215 x 93 x 305 mm
Weight	2.6 kg

AC Outlet (total 100 W max.)	unswitched x 1
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Operating temperature	+5°C - +35°C
Operating humidity	5% - 85% (no condensation)
Storage temperature	-20°C - +55°C

Accessories

AM loop antenna	x 1
FM Lead-type antenna	x 1
DAB antenna	x 1
Remote Control Connection Cord	x 1
Stereo RCA pin cable	x 1

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations may differ slightly from production models.

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Information on Disposal in other Countries outside the European Union

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom right two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.



TEAC

TEAC CORPORATION	1-47 Ochiai, Tama-shi, Tokyo 206-8530, Japan Phone: (042) 356-9156
TEAC AMERICA, INC.	7733 Telegraph Road, Montebello, California 90640 Phone: (323) 726-0303
TEAC CANADA LTD.	5939 Wallace Street, Mississauga, Ontario L4Z 1Z8, Canada Phone: (905) 890-8008
TEAC MEXICO, S.A. de C.V	Rio Churubusco 364, Colonia Del Carmen, Delegación Coyoacán, CP 04100, México DF, México Phone: (5255)5010-6000
TEAC UK LIMITED	Unit 19 & 20, The Courtyards, Hatters Lane, Watford, Hertfordshire, WD18 8TE, U.K. Phone: (0845) 130-2511
TEAC EUROPE GmbH	Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany Phone: 0611-71580

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number _____ Serial number _____