KENWOOD

FM/MW/LW TUNER

KTF-2010
KTF-3010

INSTRUCTION MANUAL

KENWOOD CORPORATION

Before applying power

Units are designed for operation as follows.

Europe , U.K. and Russia .... AC 230 V only

2

For the United Kingdom

Factory fitted moulded mains plug

1. The mains plug contains a fuse. For replacement, use only a 13-Amp ASTA-approved (BS 1362) fuse.

2. The fuse cover must be refitted when replacing the fuse in the moulded plug.

3. Do not cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adapter, or consult your dealer.
   If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT
   The wires in the mains lead are coloured in accordance with the following code.
            Blue   : Neutral
            Brown   : Live
   Do not connect those leads to the earth terminal of a three-pin plug.

Safety precautions

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

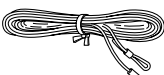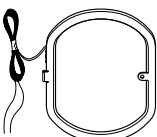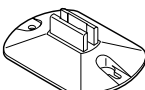| ⚡ **CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN ⚠	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
⚡	THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UN INSULATED " 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.
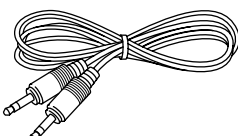
Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.
Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.
We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

Accessories

FM indoor antenna (1)	AM loop antenna (1)	Loop antenna stand (1)	Audio cord (1)	System control cord (1)

Special features

ACTIVE RECEPTION (A.R.) (KTF-3010 only)

When the receiving frequency changes by a tuning operation or recalling a preset station, the tuner automatically switches the IF BAND, RF ATT and ANT A/B functions to obtain the optimum reception conditions for the signals being received.

RDS (Radio Data System) & EON(Enhanced Other Network) reservation

The RDS makes it possible to select stations according to their program types (PTY search) and to display the station names.

Moreover, the RDS automatic memory function which stores up to 40 RDS stations automatically in the memory is featured. This function checks the RDS data when storing stations in the memory to avoid storing stations which are broadcasting the same program simultaneously.

In addition, by using the EON function which administers the information of other stations, you can reserve the desired information such as traffic announcement, news and so on, even though these types of programs are not currently broadcast. While listening to a station which makes the EON indicator light, the tuner automatically selects the station which starts broadcasting the program of the desired information. When the program of the desired information ends, the tuner automatically returns to the previous program.

If this tuner is connected to a KENWOOD amplifier with the system control cord, the amplifier automatically switches the input source to the tuner input when the program of the reserved information starts, even when you are listening to the input source other than the tuner.

STATION PRESET

This unit features a function which stores the broadcast station you are listening to with easy operations and allows you to store a name for the station.

It is very convenient to register the desired stations. Also, you can recall the stations with easy operations.

Contents

Caution : Read the pages marked ⚠ carefully to ensure safe operation.

System connection

4

Connection of the Audio components/Connection of the system control cord

Make connections as shown below.
When connecting the related system components, refer also to the instruction manuals of the related components.
Do not plug in the power lead until all connections are completed.

Malfunction of microcomputer

If operation is not possible or erroneous display appears even though all connections have been made properly, rest the microcomputer referring to "In case of difficulty". → 16

Caution regarding placement

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) equal to, or greater than, shown below.
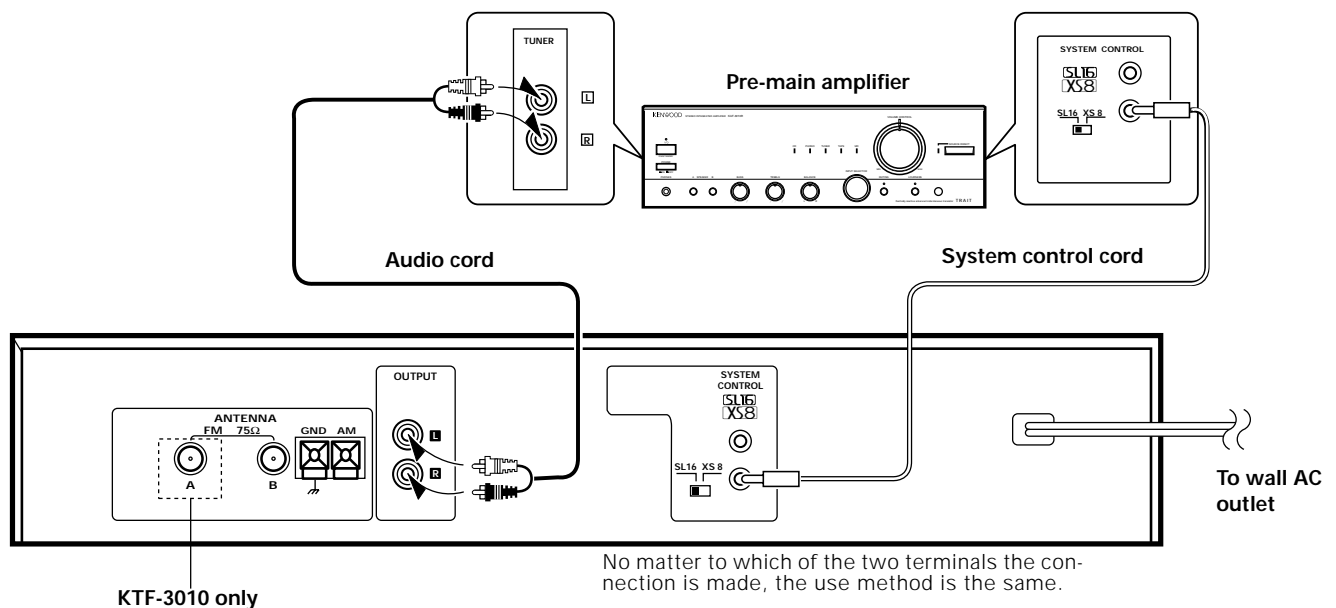
Left and right panels: 10 cm
Rear panel: 10 cm

Pre-main amplifier

Audio cord

System control cord

OUTPUT

No matter to which of the two terminals the connection is made, the use method is the same.

KTF-3010 only

To wall AC outlet

The system control connection

Connecting system control cords after connecting a Kenwood audio component system lets you take advantage of convenient system control operations.
There are two Kenwood system control modes. Make connections according to the groups of terminal symbols shown below.

[SL16] Mode : for ⎣SL16⎦ terminals only
[XS8] Mode : lets you combine ⎣XR⎦, ⎣XS⎦, and ⎣XS8⎦ terminals

This unit is compatible with both [SL16] and [XS8] modes. It comes from the factory set to the [SL16] mode. To switch to the [XS8] mode, follow the instructions in "Switching from [SL16] to [XS8]".

Notes
1. [SL16] equipment cannot be combined with [XR], [XS], and [XS8] equipment for system operations. If your equipment consists of this kind of combination, please do not connect any system control cords. Even without system control cords, normal operations can be carried out without affecting performance.
2. If your amp or receiver does not have a system control terminal, do not connect any system control cords to the system control terminals on the other components.
3. Do not connect system control cords to any components other than those specified by Kenwood. It may cause a malfunction and damage your equipment.
4. Be sure the system control plugs are inserted all the way in to the system control terminals.
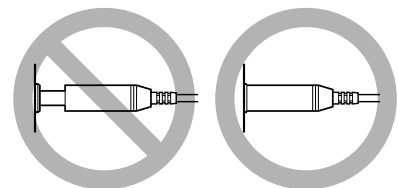
Notes
1. Connect all cords firmly. If connections are loose, you may lose the sound or interconnectable system control operations may not work.
2. When plugging and unplugging connection cord, be sure to first remove the power cord from the AC outlet. Plugging / unplugging connection cords without removal of the power cord can cause malfunctions or damage to the unit.

5

The system control operations

Remote Control
Lets you operate this unit with the system remote supplied with the amp or receiver.

Automatic Operation (except [XR] equipment)
Automatically switches the input selector on the amp when you operate one of the tuning keys on this unit.

Automatic EON reception
Even if the input selector on the amp is set to a source other than tuner, the amp will automatically switch to tuner when an EON broadcast you are waiting for is received. When using equipment connected in the [SL16] mode, the amp will switch back to the original input source when EON broadcast has finished. → 15

Switching from [SL16] to [XS8]

Use the rear panel switch to switch to the system control [XS8] and [SL16] modes. Do this operation after completing all connections.

SL16 XS 8

● Remove the AC power cord plug from the wall outlet before switching modes.
● This operation will not affect items stored in the memory.
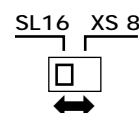
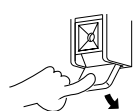# Connection of antenna

Do not plug in the power lead until all connections are completed.

Connection method to each antenna terminal

❶ Push lever   ❷ Insert cord   ❸ Return lever

The figure shows an example for the KTF-3010

If there is only one antenna, connect it to side A of the antenna terminal.

FM outdoor antenna connection

Lead the 75 Ω coaxial cable connected to the FM outdoor antenna into the room and connect it to the FM 75 Ω terminal.
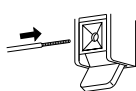
Use a commercially available antenna adaptor.
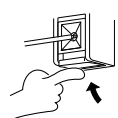
FM indoor antenna connection

The accessory antenna is for temporary indoor use only. For stable signal reception we recommend using an outdoor antenna. Remove the indoor antenna if you connect one outdoors.

ANTENNA FM 75Ω GND AM
A   B

AM loop antenna connection

The supplied antenna is for indoor use. Place it as far as possible from the main system, TV set, speaker cords and power cord, and set it to a direction which provides the best reception.

In certain areas, FM broadcast can be received by connecting the antenna cable to a wall antenna terminal (CATV antenna socket, etc.).

Controls and indicators

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AR indicator (KTF-3010 only) PTY indicator

STANDBY indicator TA indicator TP indicator MEMORY indicator

NEWS indicator Antenna A/B indicator (KTF-3010 only)

Tuning mode indicator

RDS indicator

STANDBY **AR** **TA** **NEWS** **TP** **PTY** **MEMO** **ANT A B** **STEREO**
RDS EON **TUNED**
MW **AUTO**
LW **kHz**
FM **MHz**

TUNED indicator

Reception mode indicator

Signal indicator Receiving band indicator Frequency display, Megahertz indicator
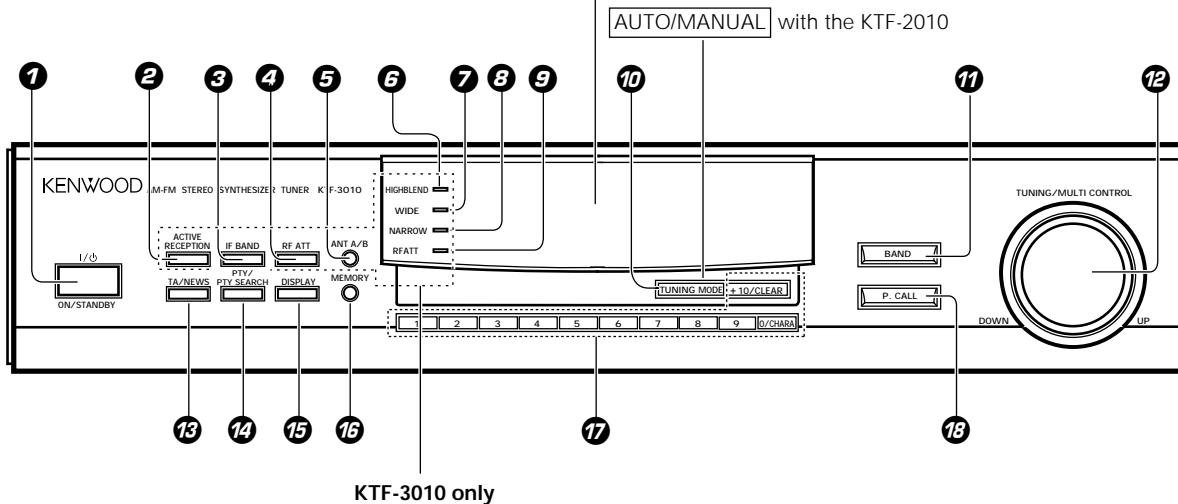Preset channel display
STATION NAME display

EON indicator Kilohertz indicator

Display

**The figure shows an example
for the KTF-3010**

AUTO/MANUAL with the KTF-2010

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ ⓫ ⓬

KENWOOD AM-FM STEREO SYNTHESIZER TUNER KTF-3010

ACTIVE
RECEPTION IF BAND RF ATT ANT A/B

HIGH BLEND
WIDE
NARROW
RF ATT

TUNING/MULTI CONTROL

BAND

TUNING MODE +10/CLEAR

P. CALL

PTY/
TA/NEWS PTY SEARCH DISPLAY MEMORY

ON/STANDBY

DOWN UP

1 2 3 4 5 6 7 8 9 0/CHARA

⓭ ⓮ ⓯ ⓰ ⓱ ⓲

KTF-3010 only

❶ **ON/STANDBY key** →8
  Press to turn on/off(STANDBY) the power.
❷ **ACTIVE RECEPTION key (KTF-3010 only)**
  →7
  Press to obtain the optimum reception con-
  ditions for the signals being received.
❸ **IF BAND key (KTF-3010 only)** (available for
  the FM band only) →7
  Press to switch the intermediate frequency
  pass band between WIDE (wide band) and
  NARROW (narrow band).
❹ **RF ATT key (KTF-3010 only)** →7
  Press to minimize the RF reciprocal modula-
  tion and mixed modulation distortion when
  there is an adjacent channel with strong ra-
  dio waves.

❺ **ANT A/B key (KTF-3010 only)** →7
  Press to select the antenna when
  using 2 antennas.
❻ **HIGH BLEND indicator (KTF-3010 only)**
  →7
❼ **WIDE indicator (KTF-3010 only)**
  →7
❽ **NARROW indicator (KTF-3010 only)**
  →7
❾ **RF ATT indicator (KTF-3010 only)** →7
❿ **AUTO/MANUAL key (KTF-2010)**
  TUNING MODE key (KTF-3010) →7
  Press to select the tuning mode.
⓫ **BAND key** →8
  Press to switch the broadcast band.

⓬ **TUNING/MULTI CONTROL knob**
  →8 →10 →11 →12 →13
  Used for tuning broadcast stations, select-
  ing program type and entering characters.
⓭ **TA/NEWS key** →15
⓮ **PTY/PTY SERCH key** →13
⓯ **DISPLAY key** →9
⓰ **MEMORY key** →10 →12
  Used for storing broadcast stations and
  entering station names.
⓱ **Numeric keys** →10 →11 →12 →13
  Used for storing and calling up broadcast
  stations and entering station names.
⓲ **P.CALL key** →11 →12
  Press to recall a preset station.

STANDBY mode of POWER switch

When the power cord of this unit is plugged into an AC outlet, the **STANDBY** indicator lights up while the power is off. This indicates that a small amount of current is being supplied to the unit to back up the memory contents even when the power is turned off.

# Useful functions for broadcast reception

KTF-3010/KTF-2010 (En)

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Each time the key is pressed, the operation mode changes.

ACTIVE RECEPTION (A.R) key (KTF-3010 only/ available for the FM band only)

Flashes, then lights

AR

FM
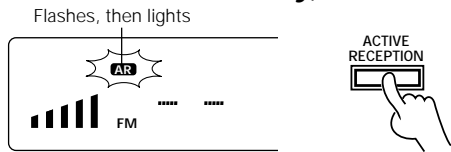
ACTIVE RECEPTION

When you press the ACTIVE RECEPTION key, the AR indicator flashes, and the tuner will automatically switch the IF BAND, RF ATT and ANT A/B functions to select the best conditions for reception. If, at this time, you change the receiving frequency by adjusting the tuning UP/DOWN or calling up preset broadcast stations, you will always achieve optimum broadcast wave reception. Normally leave the ACTIVE RECEPTION mode ON.
During manual operation of IF BAND, RF ATT and ANT A/B functions, the ACTIV RECEPTION mode is set to OFF.

IF BAND key (KTF-3010 only /available for the FM band only)

One or the other lights

HIGHBLEND
WIDE
NARROW
RFATT
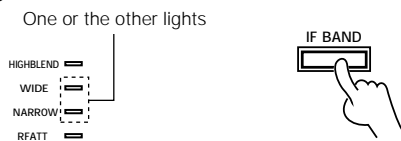
IF BAND

This function lets you set the intermediate frequency pass band to WIDE (wide band), or NARROW (narrow band).

WIDE: Normally set the IF BAND to WIDE. This setting allows reception of good quality sound with minimal distortion.
NARROW: If signal reception is poor due to interference from a neighbouring station when the IF BAND is set to WIDE, change the IF BAND setting to NARROW.
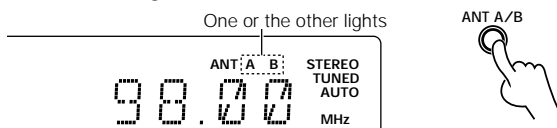If the ACTIVE RECEPTION mode is set to ON, WIDE or NARROW will be switched over automatically.

RF ATT key (KTF-3010 only /available for the FM band only)

HIGHBLEND
WIDE
NARROW
RFATT — Light up when the switch is turned on.
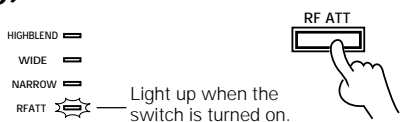
RF ATT

When there is an adjacent channel with strong radio waves, RF reciprocal modulation, mixed modulation distortion easily occurs. By switching the RF ATT key ON the RF reciprocal modulation and mixed modulation can be minimized.

Even when the key is set to OFF, if the ACTIVE RECEPTION mode is ON, it will work automatically.

ANT A/B key (KTF-3010 only /available for the FM band only)

One or the other lights

ANT A B   STEREO TUNED AUTO
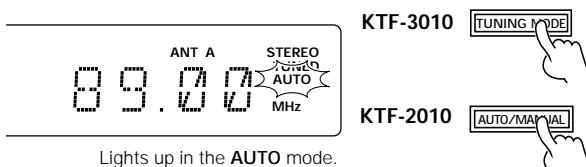
98.00   MHz

ANT A/B

When using 2 exterior antennas, or, an external antenna with an already established antenna (cable broadcast reception antenna etc.), aligning to the respective set up and reception statuses, A or B can be switched.

If the ACTIVE RECEPTION mode is set to ON, the key will switch A/B automatically.

TUNING MODE key (KTF-3010)
AUTO/MANUAL key (KTF-2010)

By pressing this key, the automatic stereo function and the automatic tuning function are both switched over at the same time when AUTO STEREO or HIGH BLEND (available with KTF-3010 only) is selected.

ANT A   STEREO

89.00   AUTO   MHz

Lights up in the AUTO mode.

KTF-3010   TUNING MODE

KTF-2010   AUTO/MANUAL

Each press switches the turning methods as follows:

FM
- ① AUTO/STEREO : AUTO lit (auto tuning)
- ② HIGH BLEND : AUTO lit, HIGH BLEND LED lit (auto tuning)
- ③ MANUAL/MONO : AUTO not lit (manual tuning)

MW/ LW
- ① AUTO : AUTO lit (auto tuning)
- ② MANUAL/MONO : AUTO not lit (manual tuning)

AUTO/STEREO (STEREO lit during stereo reception):
Usually, set the switch to AUTO/STEREO.
The tuner automatically switches between stereo and monaural receptions according to the program being received.
The tuner automatically scans the frequency and stops when a station is tuned in.

HIGH BLEND (available for the FM band with KTF-3010 only): STEREO lit during stereo reception
This function reduces audible noise in the middle band and above when receiving weak radio waves during stereo broadcasts. The tuner automatically scans the frequency and stops when a station is tuned in.

MANUAL/MONO:
Set the switch to OFF when noise interferes due to weak radio waves in the stereo reception. The stereo broadcast is received in monaural and the noise will be reduced. When you want to tune in a station with weak radio waves which the auto tuning function can not pick up, select the manual tuning mode.

Download from Www.Somanuals.com. All Manuals Search And Download.
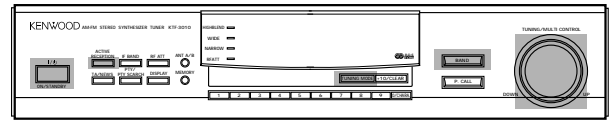
Broadcast reception

8

This section shows you how to receive radio broadcasts. You can store up to 40 stations in the memory and recall them with a single touch of the key.

The figure shows an example for the KTF-3010

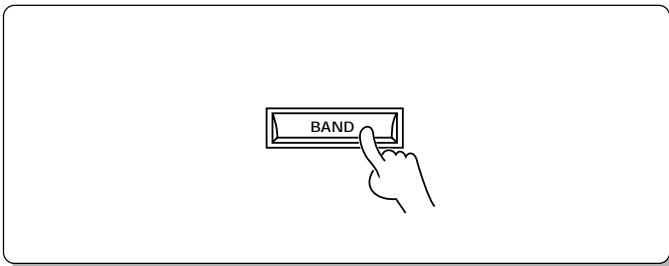## Preparation

Switch the ON/STANDBY key to ON.

▨ : Keys or controls to be used in this operation.

Receiving a broadcast station (other than RDS stations)

**1** *Switch the amplifier input to the tuner input.*

2 *Select the broadcast band.*

BAND

3 *Select the tuning method.*

KTF-2010
AUTO/MANUAL

KTF-3010
TUNING MODE

4 *Make the AR indicator light. (FM band only)*

(KTF-3010 only)

ACTIVE RECEPTION

5 *Select a station.*

TUNING/MULTI CONTROL

To decrease frequency   To increase frequency

DOWN   UP

Each press switches the band as follows:
- ① **FM**
- ② **MW**
- ③ **LW (U. K. only)**

```
MW
LW          ANT A
FM     ┄ ┄        89.00  MHz
```
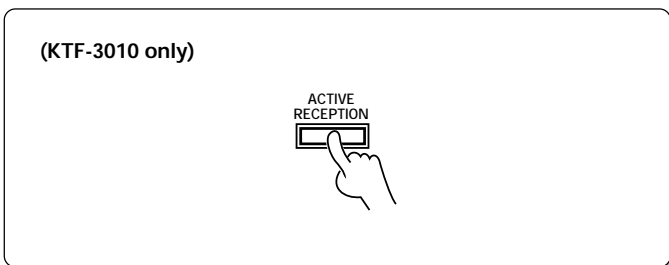
"FM", "MW" or "LW" is displayed.
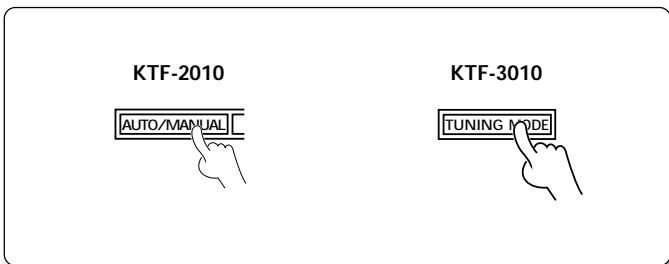
The tuner switches over as follows each time you press the key while receiving a FM broadcast.

- ① **AUTO/STEREO** : **AUTO** lit (auto tuning)
- ② **HIGH BLEND** : **AUTO** lit, **HIGH BLEND** LED lit (auto tuning) (available for the FM band with KTF-3010 only)
- ③ **MANUAL/MONO** : **AUTO** not lit (manual tuning)

● Usually, set the switch to **AUTO** (auto tuning).

Select HIGH BLEND (available with the KTF-3010 only) or MANUAL when the radio waves are weak and there is a lot of noise interference.(The stereo broadcasting is received in monaural during manual tuning.)
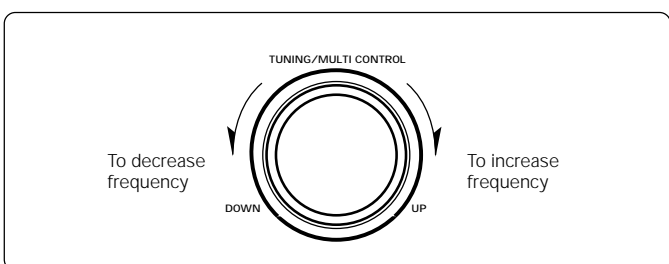
Each time the ACTIVE RECEPTION key is pressed, the setting changes.
- ① **ON (AR indicator lit):** when switching the IF BAND, RF ATT and ANT A/B functions automatically.
- ② **OFF (AR indicator not lit):** when switching these functions manually.

```
 AR            ANT A
              89.00  AUTO
 FM    ┄ ┄           MHz
```
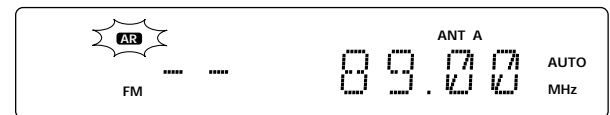
● Usually, set **ACTIVE RECEPTION** key to **ON.**
● FM broadcasts are received in the optimum reception conditions.

"TUNED" lights up when a station is tuned.

```
 AR                ANT A    STEREO
                            TUNED
 ▮▮▮▮▮ FM  ┄ ┄      90.00  MHz
```
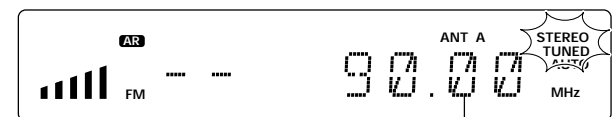
Frequency display

Auto tuning : The next station found is tuned automatically.
Manual tuning : Keep turning the knob, checking the display, until you tune in on a station.

RDS (Radio Data System)

RDS is a system which transmits useful information (digital data) for FM broadcasts together with the broadcast signal. Tuners and receivers designed for RDS reception can extract the information from the broadcast signal for use with various functions such as automatic display of the station name.

This unit is equipped with the following functions utilizing RDS data:
(Be sure to set the automatic memory function - otherwise, the RDS function will not work.)

RDS Auto Memory function → 10
RDS stations and FM station are automatically selected and stored in the memory (up to 40 stations).

PTY (Program Type Identification) Search (FM band) → 13
The tuner automatically searches for a station which is currently broadcasting a specified program type (genre).

EON (Enhanced Other Network) reservation → 15
When you select one or two of the types of information beforehand, the tuner automatically switches to the station which is broadcasting the program of the reserved information even though you are listening to another station. When the program of the reserved information ends, the tuner returns to the previous station.

RT (Radio Text) indicator: (See below.)
Some RDS stations transmit the text data.

PS (Program Service Name) Display: (See below.)
When an RDS broadcast is received, the station name is automatically displayed.

CT (Clock Time) Display: (See below.)
Some RDS stations transmit clock data along with the broadcast signal.
RT, PS, and CT can be selected with the **DISPLAY** key. The display may not light, depending on the RDS broadcast station.
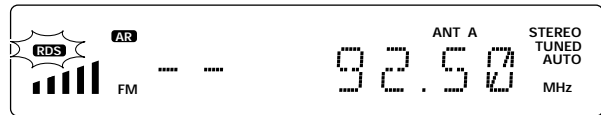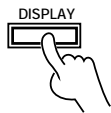
The **RDS** indicator lights up when an RDS broadcast (signal) is received.

* **Some functions may not be provided or be given different names depending on countries or areas.**
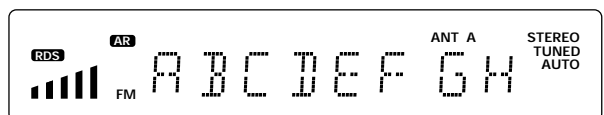
DISPLAY key

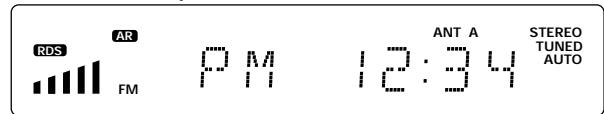Pressing the DISPLAY key changes the display contents.

DISPLAY

Display mode priority ranking

When an RDS broadcasts is received.	① PS (Program Service name) indicator ② RT (Radio Text) indicator ③ CT (Clock Time) indicator ④ Frequency indicator
When other than RDS broadcasts is received	① STATION NAME indicator or "NO PS" indicator ② "NO RT" indicator ③ "NO CT" indicator ④ Frequency indicator
When the MW or LW band is received.	① STATION NAME indicator or "NO TITLE" indicator ② Frequency indicator

① **PS (Program Service name) Display:**
When an RDS broadcast is received, the station name is automatically displayed.
If no PS data was sent, "NO PS" is displayed.
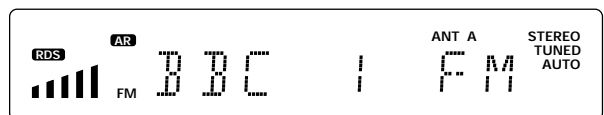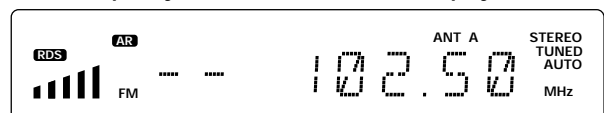
② **RT (Radio Text) Display:**
When text data is received after 'RT' flashes in RDS broadcast reception, text appears in the display scrolling from right to left (up to 64 characters).

③ **CT (Clock Time) Display:**
The hours and minutes are displayed after "CT" flashes in RDS broadcast reception.

④ **Frequency Display:**
The frequency of the current station is displayed.

Storing broadcast stations in memory

10

The figure shows an example for the KTF-3010
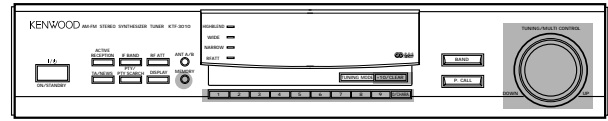

[gray box] : Keys or controls to be used in this operation.

The automatic memory function allows you to store up to 40 stations using only one button.
The manual preset function allows you to store stations one at a time.

Use the automatic memory function first.

AUTO MEMORY (Storing stations automatically in memory)

The AUTO MEMORY function automatically calls up only those stations which have RDS broadcasts for storing (up to 40 stations can be stored).

❶ **Switch to FM band.**
❷ **Press and hold the MEMORY key (for more than 2 seconds).**
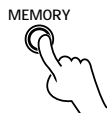
MEMORY

The tuner completes the scanning of frequencies in 5 minutes. While scanning, "AUTO" and "MEMORY" are displayed in turn.

● Unless stations are stored with the automatic memory function, **EON** reservation and **PTY** search will not work.
● **AR** will not work when the automatic memory function is on.
● Broadcast stations stored manually may be overwritten.
● Stations already stored in the preset memory may be replaced by **RDS** stations. (i.e., If the **RDS AUTO MEMORY** function finds 15 **RDS** stations, the stations currently preset at numbers 01- 15 are replaced by the **RDS** stations.)
● If the antenna is replaced, you will have to reset the automatic memory function.
● Stored stations may be erased from the memory.

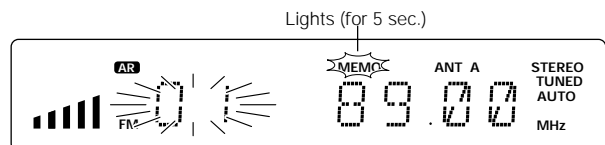## MANUAL PRESET(Storing stations one at a time)

1 *Tune in the station to be preset*

2 *Press the MEMORY key*
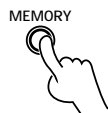
MEMORY

If you press the MEMORY key when the preset number displayed is "- -", the smallest unstored number appears.

Perform the operations in the five seconds that the display is blinking.

Lights (for 5 sec.)

(If more than 5 sec. have elapsed, press the **MEMORY** key again.)

3 *Select one of the preset numbers from 1 to 40.*

❶ **Turn the TUNING/MULTI CONTROL knob.**

TUNING/MULTI CONTROL

DOWN UP

❷ **Select the desired station.**

MEMORY

♫ **Instead of steps ❶ and ❷, you can use the numeric keys (0~9,+10), to store the broadcast stations.**

Press the numeric keys (0 to 9, +10) in the following order.

To select "15" ... +10 , 5
To select "20" ... +10 , +10 , 0

Blinks   Lights (for 5 sec.)

The numbers 1 to 40 appear, in turn, as you turn the knob.

➤ 01, 02, 03········38, 39, 40 ◄
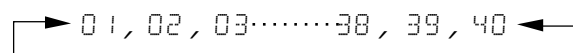
● Repeat steps **1** to **3** for each of the stations to be stored in memory.
● If a station is stored in a preset number which already stores a station memory under it, the previous memory is replaced by the new memory content.
● Once the memory content has been preset, it is held for about 3 days even after the power cord is unplugged from the mains outlet.

● You cannot enter numbers over 40.
● If you make a mistake when pressing the +10 key, press the +10 key several times to return to the original display before re-entering.
● The stored station will be erased from the memory.

Receiving a preset station

The figure shows an example for the KTF-3010
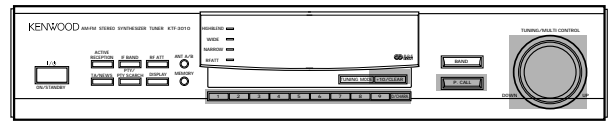
▨ : Keys or controls to be used in this operation.
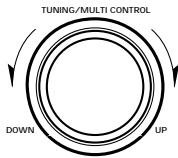
Receiving a preset station

1 Set to the Call up (Sellect) mode.

P. CALL

AR

FM ₁ P CALL   ANT A   STEREO
                          TUNED
                          AUTO
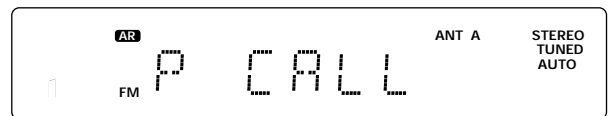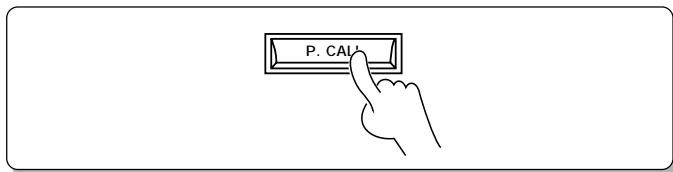
● Press P.CALL key once more to cancel the call up mode and return to the original display.

2 Select one of the preset numbers.

TUNING/MULTI CONTROL

DOWN   UP

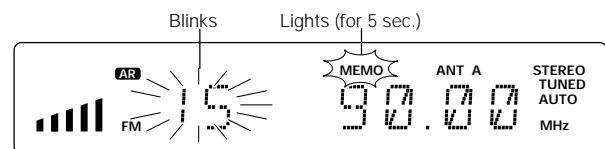**When you stop turning the knob, you tune in on the preset station.**

🎵 **Instead of steps 1 and 2, you can use the numeric keys (0~9,+10), to store the broadcast stations.**

Press the numeric keys (0 to 9, +10) in the following order.
To select "15" ... +10 , 5
To select "20" ... +10 , +10 , 0

Blinks for 5 sec.

AR
FM 26 90.00   ANT A   STEREO
                          TUNED
                          AUTO
                          MHz
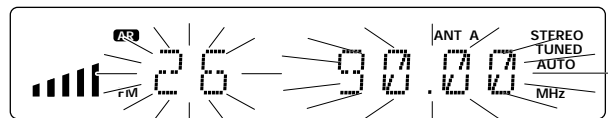
● While the display is blinking, you can select the next station.
● If the tuner has stored a preset station name or program service name, each will be displayed.

● You cannot enter numbers over 40.
● If you make a mistake when pressing the +10 key, press the +10 key several times to return to the original display before re-entering.

Memory back up

Even if the power cord is unplugged from the AC outlet, the preset memory contents will be backed up for 3 days.

Last channel memory

When the power is turned ON or the BAND key is pressed to switch the band, the last station previously received is automatically tuned in.

Displaying broadcast station names

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Preparation

Switch the ON/STANDBY key to ON.

The figure shows an example for the KTF-3010
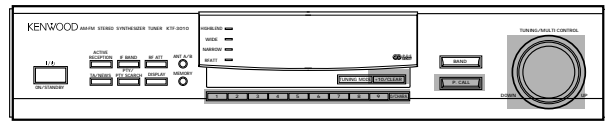
[ ] : Keys or controls to be used in this operation.

Entering broadcast station names

1 Call up (select) the preset station.

Follow the steps in "*Receiving a preset station*" to call up stored stations with no PS display, MW stations and LW stations. →[11]
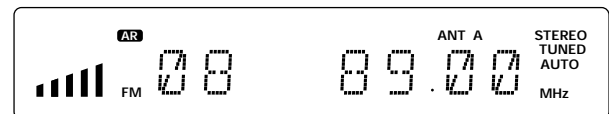
2 Select the Entry mode.

Press the O/CHARA. key

| 7 | 8 | 9 | O/CHARA. |
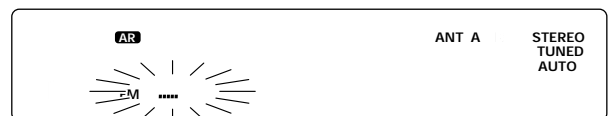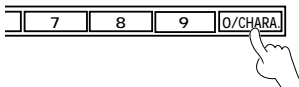
● The entry mode will be cancelled unless the next steps are completed within 10 seconds.
● The station name cannot be entered if "PS" is displayed.

3 Enter the characters.

❶ Select the characters and symbols using the TUNING/MULTI CONTROL knob.

TUNING/MULTI CONTROL

DOWN   UP
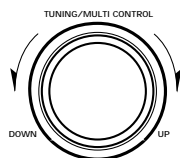
❷ Press the O/CHARA. key to confirm the characters. The cursor will move to allow the next entry.

| 7 | 8 | 9 | O/CHARA. |

❸ Repeat steps ❶ and ❷.
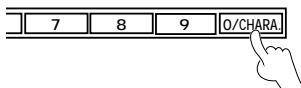
❹ Press the MEMORY key to confirm entry.
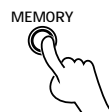
MEMORY

You can select from the following characters and symbols.

A,B,C.....X,Y,Z,0,1,2,3.....8,9,+,-,*,/

Space
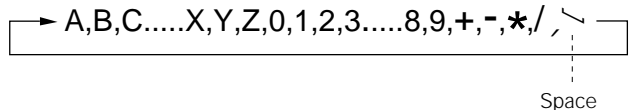
The selected characters will blink.
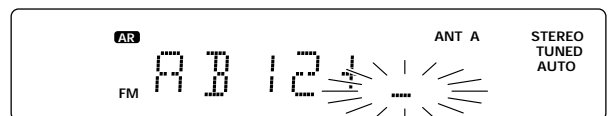
Enter up to 8 characters.

● To correct the characters, before pressing the **MEMORY** key, press the **O/CHARA**. key several times to make the character that needs correcting flash, then re-enter the character.
● If only spaces are entered, a station name will not be stored.
● To delete all entered characters, press the **+1O/CLEAR** key in the entry mode.
● If you press the **DISPLAY** key after entering the name of the broadcast station, the entered station name and frequency will be displayed in turn. (if none has been entered "**NO TITLE**" will appear).

PTY search

By specifying the type of program (genre) you want to listen to, the tuner automatically searches for a station which is currently broadcasting a program of the specified type.

With certain receiving conditions, if may take more than 1 minutes until the search completes.

Preparation

● Set the **RDS** to **AUTO MEMORY** mode.
● Set the broadcast band to **FM**.

The figure shows an example for the KTF-3010
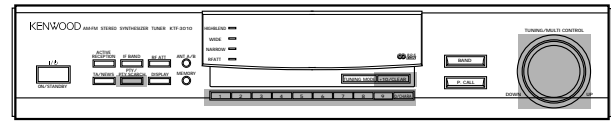
▨ : Keys or controls to be used in this operation.

Searching for a desired program type (PTY search)

1 *Select the PTY search mode.*

PTY/
PTY SEARCH
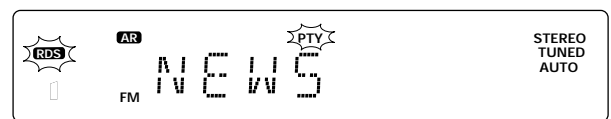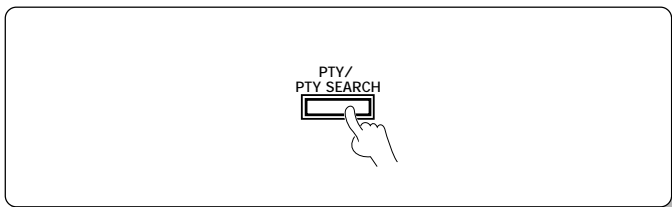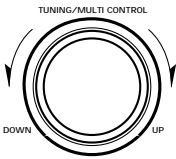
When an RDS broadcast is received, the program type is shown on the display.
If no PTY data is available, or if the station is not an RDS station, "NONE" is displayed.

2 *Select the desired program type.*
Use program type table on the right for your convenience.
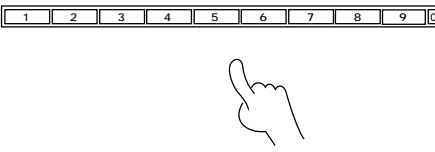
Ⓐ **When selecting with the TUNING/ MULTI CONTROL knob.**

TUNING/MULTI CONTROL

Select while **"PTY"** is lit.

DOWN   UP

Ⓑ **When selecting with the numeric keys (0 - 9, +10).**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

With the **TUNING/MULTI CONTROL** knob, the desired program type among 29 program types is selected in the order.

Program type table

| Ⓐ	Ⓑ	Program type table	Display
	1	Pop Music	POP M
	2	Rock Music	ROCK M
	3	*M.O.R. Music	M. O. R. M
	4	Light Classical	LIGHT M
	5	Serious Classical	CLASSICS
	6	Other Music	OTHER M
	7	News	NEWS
	8	Current Affairs	AFFAIRS
DOWN	9	Information	INFO
	0	Sport	SPORT
	10	Education	EDUCATE
	11	Drama	DRAMA
	12	Culture	CULTURE
	13	Science	SCIENCE
	14	Varied Speech	VARIED
	15	Weather	WEATHER
	16	Finance	FINANCE
	17	Children's Programmes	CHILDREN
	18	Social Affairs	SOCIAL A
UP	19	Religion	RELIGION
	20	Phone in	PHONE IN
	21	Travel	TRAVEL
	22	Leisure	LEISURE
	23	Jazz Music	JAZZ
	24	Country Music	COUNTRY
	25	National Music	NATION M
	26	Oldies Music	OLDIES
	27	Folk Music	FOLK M
	28	Documentary	DOCUMENT

*M.O.R. Music (Middle of the Road Music)

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3 *Start the search.*

PTY/
PTY SEARCH
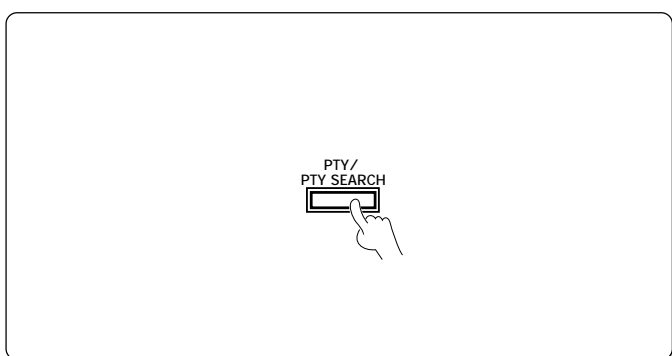
To change to a different program type:

Repeat steps **1**, **2**, **3**.

When searching for a Rock Music broadcast.

Display with the tuner is searching

Blinks

PTY

ROCK M
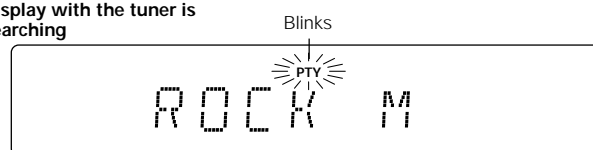
Program type name display.

When a station is received.

ROCK M
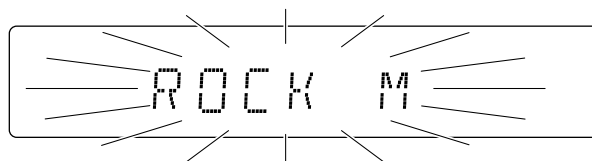
Blinks

When a station is confirmed.

Goes off

PTY   ANT A   STEREO
TUNED
AUTO

RDS AR

FM BBC 1 FM
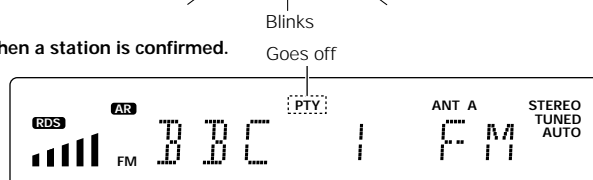
Station name display.

- No sound is heard while **"PTY"** is blinking.
- If a program of the desired type cannot be found, "NO PROG" is blinked, then after several seconds the display returns to the original display.
- When the program type is found, the tuner starts receiving - the type name display flashes and after a few seconds, it changes to the station name display.
- Press the **PTY** key again during **PTY** search to cancel the function.

EON reservation

By using the EON function which administers the information of other stations, you can reserve the desired information such as traffic announcement, news and so on, even though these types of programs are not currently broadcast. While listening to a station which makes the EON indicator light, the tuner automatically selects the station which starts broadcasting the program of the desired information. When the program of the desired information ends, the tuner automatically returns to the previous program.

The figure shows an example for the KTF-3010
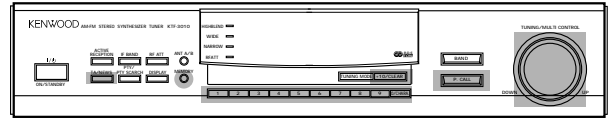
: Keys or controls to be used in this operation.

Preparation

- Set the **RDS** to **AUTO MEMORY** mode.
- Set the broadcast band to **FM**.

Reserving the desired information (EON reservation)

1 **Proceed the steps in "Storing broadcast stations in memory ".** → [10]

2 **Tune in an RDS station (EON).**

Proceed the steps in "Receiving a preset station" → [11]

♪ **If the RDS automatic memory function is already set, skip this procedure.**

- If all the 40 stations are MANUAL PRESET according to the procedure in "Storing broadcast stations in memory", the **EON** function will not work. Be sure to use the **RDS** automatic memory function.

Lights up

RDS EON | AR | TA | TP | ANT A | STEREO TUNED AUTO
FM | BBC | 98.00 | MHz
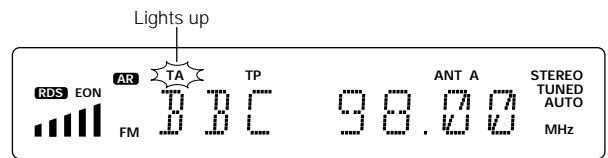
Indication when **"TA"** is selected.

3 **Select the desired information.**

TA/NEWS

- During **TA** or **NEWS** reception, "**NOW TA**", or "**NOW NEWS**" will be displayed.
- If **TA** or **NEWS** can not be selected, proceed the **RDS** automatic memory function again. → [10]

Each time the key is pressed, the setting changes.
- ① **OFF** (EON cancelled.)
- ② **TA** (Traffic Announcement)
- ③ **NEWS** (News : Program Type)
- ④ **TA/NEWS** (Standing by to receive either the TA or NEWS)

4 **Wait for the program of the desired information.**

As long as the power is turned on with the program which makes the EON and RDS indicators light tuned in, the tuner waits for the program of the desired information to start.

- If you wish to cancel **TA/NEWS** while listening to a **EON** reservation broadcast, press the **TA/NEWS** key.
- If you press the **BAND** key while receiving the broadcast of your choice, **EON** reservation will be cancelled.
- Even if you switch over the input selector of the amplifier connected with the system control cord while receiving the broadcast of your choice, **EON** reservation will not be cancelled.
- When a **EON** reservation broadcast is received, the **ACTIVE RECEPTION** will not work. **RF ATT** functions will be turned **OFF**.

TP (Traffic Program) indication

When the "TP" indicator is lit, this means that the presently received station or a station in the same network is transmitting traffic information. When "TP" is displayed for the station being received, the traffic information of this station can be received without EON reservation.

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When the amplifier and the tuner are connected with the system control cord   →📖4

Even if the input selector of the amplifier is connected to the source other than the tuner, the input selector of the amplifier switches to the tuner when the desired program starts in the EON reservation mode.
Combined with the [SL16], the input selector returns to the original source after the desired program finishes, however, with a [XS8] it will not.

In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

> **Unplug the power cord from the power socket and, while holding the ON/STANDBY key depressed, plug the power cord into the socket again.**

● Please note that resetting the microcomputer clears the contents stored in it and returns it to the condition when it left the factory.

Symptom	Cause	Remedy
No sound is heard.	● The tuner is not connected to the amplifier.	● Use audio cords to connect the tuner to the amplifier. →📖4
Radio stations cannot be received.	● No antenna is connected. ● The broadcast band is not set properly. ● The frequency of the desired station is not tuned. ● The **ANT A/B** key is not set properly (KTF-3010 only). ● The signal detected by the antenna is weak.	● Connect an antenna. →📖5 ● Set the broadcast band properly. →📖8 ● Tune the frequency of the desired station. →📖8 ● Set the **ANT A/B** key properly. (KTF-3010 only). →📖7 ● If located far from the broadcast station, install a dedicated FM outdoor antenna (5–6 elements).
No station is received when a numeric key pressed.	● No station is preset in the recalled channel. ● The preset memory was cleared because the power cord had been unplugged for a long period of time.	● Preset the desired station. →📖10 ● Preset the station again. →📖10
Interference.	● Noise due to ignition noise of an automobile. ● Noise due to an influence from an electric appliance. ● Noise due to a nearby TV set. ● There is a PC nearby.	● Install the outdoor antenna away from the road. ● Turn off the power of the appliance. ● Install the system further apart from the TV set. ● Install the system further apart from the PC.
Sound is distorted when the IF BAND is set to NARROW (KTF-3010 only).	● The broadcasted sound level is too high.	● Set the **IF BAND** to **WIDE**. →📖7

Note: Do not use contact cleaners because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

Specifications

KTF-2010

FM tuner section

Tuning frequency range .... 87.5 MHz ~ 108 MHz
Usable sensitivity (DIN)
    MONO .... 1.3μV(75 Ω)/13.5 dBf(40 kHz dev., S/N 26 dB)
    STEREO ..... 50μV(75 Ω)/45.2 dBf(46 kHz dev., S/N 46 dB)
Limiting level (DIN) .... 1.0μV(75 Ω)/11.2 dBf
Total harmonic distortion (DIN at 1 kHz)
    MONO .... 0.1 % (65.2 dBf input)
    STEREO .... 0.3 % (65.2 dBf input)
Signal to noise ratio
    (DIN weighted at 1 kHz, 40 kHz dev.)
    MONO .... 69 dB (65.2 dBf input)
    STEREO .... 61 dB (65.2 dBf input)
 Stereo separation (DIN)
    1 kHz .... 45 dB
Capture ratio .... 2.0 dB
Selectivity (DIN ±300 kHz) .... 60 dB
Image rejection ratio (at 98MHz) .... 80 dB
IF rejection ratio (at 98MHz) .... 100 dB
Spurious rejection ratio (at 98MHz) .... 100 dB
AM suppression ratio .... 68 dB
Sub carrior suppression ratio (DIN) .... 55 dB (at 19 kHz)
                                               65 dB (at 38 kHz)
Frequency response
    (30 Hz ~ 15 kHz) .... +0.5 dB, −2.0 dB
Output level / impedance (FM at 1 kHz, 75 kHz dev.)
    Fixed .... 0.6 V/1.3 kΩ

MW (AM) tuner section

Tuning frequency range .... 531 kHz ~ 1,602 kHz
Usable sensitivity
    (at 30 % mod., S/N 20 dB) .... 12 μV/(400 μV/m)
Signal to noise ratio
    (at 30 % mod., 1mV input) .... 50 dB
Total harmonic distortion .... 0.4 %
Image rejection ratio .... 30 dB
Selectivity .... 30 dB
Output level / impedance
    (at 30 % mod., 1mV input) .... 0.18 V/1.3 kΩ

LW (for U.K. only) tuner section

Tuning frequency range .... 153 kHz ~ 279 kHz
Usable sensitivity
    (at 30% mod., S/N 20 dB) 22μV
Signal to noise ratio
    (at 30% mod., 1mV input) 47dB
Total harmonic distortion 0.6%
Image rejection ratio .... 27 dB
Selectivity .... 33 dB
Output level/impedance
    (at 30% mod., 1mV input) .... 0.18 V/1.3 kΩ

GENERAL

Power consumption .... 10 W
Dimensions .... W : 440 mm (17-5/16")
                                           H : 94 mm (3-11/16")
                                          D : 384 mm (15-1/8")
Weight (net) .... 3.3 kg (7.26 lb)

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1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in extremely coud location (under a water-freezing temperature).

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FM tuner section

Tuning frequency range .... 87.5 MHz ~ 108 MHz
Usable sensitivity (DIN)
    MONO
    .... 1.3μV(75 Ω)/13.5 dBf(40 kHz dev., S/N 26 dB)
    STEREO
    .... 50μV(75 Ω)/45.2 dBf(46 kHz dev., S/N 46 dB)
Limiting level (DIN) .... 1.0μV(75 Ω)/11.2 dBf
Total harmonic distortion (DIN at 1 kHz)
    MONO .... 0.08 % (85.2 dBf input, WIDE)
    STEREO .... 0.2 % (85.2 dBf input, WIDE)
Signal to noise ratio
    (DIN weighted at 1 kHz, 40 kHz dev.)
    MONO .... 70 dB (85.2 dBf input)
    STEREO .... 65 dB (85.2 dBf input)
 Stereo separation (DIN)
    1 kHz .... 50 dB (WIDE)
Capture ratio .... 2.0 dB(WIDE)
Selectivity (DIN ±300 kHz) .... 45 dB (WIDE)
            (DIN± 200 kHz) .... 55 dB (NARROW)
Image rejection ratio (at 98MHz) .... 85 dB
IF rejection ratio (at 98MHz) .... 105 dB
Spurious rejection ratio (at 98MHz) .... 105 dB
AM suppression ratio .... 68 dB
Sub carrior suppression ratio (DIN) .... 55 dB (at 19 kHz)
                                 65 dB (at 38 kHz)
Frequency response
    (30 Hz ~ 15 kHz) .... +0.5 dB, –1.5 dB
Output level / impedance (FM at 1 kHz, 75 kHz dev.)
    Fixed .... 0.6 V/600 Ω

MW (AM) tuner section

Tuning frequency range .... 531 kHz ~ 1,602 kHz
Usable sensitivity
    (at 30 % mod., S/N 20 dB) .... 12 μV/(400 μV/m)
Signal to noise ratio
    (at 30 % mod., 1mV input) .... 50 dB
Total harmonic distortion .... 0.4 %
Image rejection ratio .... 30 dB
Selectivity .... 30 dB
Output level / impedance
    (at 30 % mod., 1mV input) .... 0.18 V/600 Ω

LW (for U.K. only) tuner section

Tuning frequency range .... 153 kHz ~ 279 kHz
Usable sensitivity
    (at 30% mod., S/N 20 dB) 22μV
Signal to noise ratio
    (at 30% mod., 1mV input) 47dB
Total harmonic distortion 0.6%
Image rejection ratio .... 27 dB
Selectivity .... 33 dB
Output level/impedance
    (at 30% mod., 1mV input) .... 0.18 V/600 Ω

GENERAL

Power consumption .... 10 W
Dimensions .... W : 440 mm (17-5/16")
                                       H : 94 mm (3-11/16")
                                     D : 384 mm   (15-1/8")
Weight (net) .... 3.3 kg (7.26 lb)

Note

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in extremely coud location (under a water-freezing temperature).

MEMO

KENWOOD

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model ————————————   Serial Number ————————————

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