WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire or electric shock, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this appliance to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

Do not install the apparatus in a confined space such as a bookcase or built-in cabinet.

Do not expose the batteries (battery pack or batteries installed) to heat, such as sunshine, fire or the like, for a long time.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

These following indications are located on the bottom exterior.

This symbol 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.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Precautions

- Do not expose the unit to rain or moisture, does not operate if the 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.

HD Radio® Technology Manufactured Under License From iBiquity Digital Corp. U.S. and Foreign Patents. HD Radio® and the HD Radio logo are proprietary trademarks of iBiquity Digital Corp.

What is HD Radio™ Technology?

HD Radio broadcasting was approved by the Federal Communications Commission in October 2002 as the system for digital AM and FM broadcasting in the U.S.

HD Radio technology features include:

- Static-free, clear radio reception.
- FM Multicasting — the ability to broadcast multiple programs simultaneously via a single FM Frequency.
- A variety of "data services," including text-based information — artist name, song title, etc. scrolled across your receiver display.
- Digital broadcasts in the same frequency as analog broadcasts; listeners do not need to learn a new station number and today’s stations remain at their current place on the dial.

HD Radio technology is developed and licensed by iBiquity Digital Corporation and supported by the leaders of the broadcasting, consumer electronics and automotive industries.

Features

- Compact size HD Radio® tuner unit.
- Large LED display to show information about the content.
- Up to 20 presets for FM and AM stations.
- Audio-output (Stereo pin plug).
- Full function remote control.

Connecting the system

This section describes how to hook up the unit to the audio system. Be sure to turn off the power of each component before making the connections.

Connecting the antenna

The shape and the length of the antenna is designed to receive AM signals. Do not dismantle or roll up the antenna.

1. Remove only the loop part from the plastic stand.
2. Set up the AM loop antenna.
3. Connect the coaxial cable to the AM loop antenna terminals.
   Cord (A) or cord (B) can be connected to either terminal.
4. Make sure the AM loop antenna is firmly connected by pulling softly.

Adjusting the AM loop antenna

Find an angle and an orientation that provide good reception.

1. Do not place the AM loop antenna near the unit or other AV equipment, as noise may result.
2. If you use an external polarized AM antenna, be sure to connect the ground cord to the ground terminal. The supplied AM antenna cord has no polarity.

Adjusting the FM dipole antenna

Be sure to fully extend the FM dipole antenna. Attach the antenna in the shape of a T at a high position on a wall away from this unit.

1. Tip
   If you have poor FM reception, use a 75 Ω coaxial cable (not supplied) to connect the unit to an outdoor FM antenna as shown below.

Troubleshooting

Should any problem persist after you have made the following checks, consult your nearest Sony dealer.

Only analog broadcast is received in an HD Radio reception area.

Depending on the conditions, the incoming signal strength is too weak or unstable; the HD indicator will not flash or light up. In that case, the HD Radio broadcast will be received as an analog signal.

Noise occurs.

Ensure that the unit and the antenna are not near a digital amplifier or any other components that emits noise.

Connecting the dipole antenna

Set up the AM loop antenna.

Connecting the system

This section describes how to hook up the unit to the audio system. Be sure to turn off the power of each component before making the connections.

Connecting the antenna

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3. Connect the coaxial cable to the AM loop antenna terminals.
   Cord (A) or cord (B) can be connected to either terminal.
4. Make sure the AM loop antenna is firmly connected by pulling softly.

Adjusting the AM loop antenna

Find an angle and an orientation that provide good reception.

1. Do not place the AM loop antenna near the unit or other AV equipment, as noise may result.
2. If you use an external polarized AM antenna, be sure to connect the ground cord to the ground terminal. The supplied AM antenna cord has no polarity.

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Preparing the remote commander

Installing the batteries into the remote commander (See Fig. B)

1. Insert two size AAA (R03) batteries (not supplied).

When to replace the batteries

With normal use, the batteries should last for about six months. When the remote commander no longer operates the unit, replace all the batteries with new ones.

Notes

- Do not change dry batteries.
- When you are not going to use the remote commander for a long time, remove the batteries to avoid any damage caused by leakage and corrosion.

Setting the clock

1. Plug in the unit.
2. Press MENU to show the menu display.

3. Press SELECT or to select “TIME SET,” then press ENTER.

The hour will start to flash in the display.

Changing the display mode and settings

To change the display mode

Press DISPLAY

The display changes as follows:

When an analog radio station is received

When an FM/AM radio station is received

When an HD radio station is received

Setting the sleep timer

You can enjoy falling asleep to the radio using the built-in sleep timer that turns off the radio automatically after a preset duration.

1. Press SLEEP on the remote commander. “SLEEP” and the digits for the sleep timer duration appear.

2. Press SLEEP repeatedly to select the desired sleep timer setting. Each press changes the setting time as follows:

- 60  45  30  15  OFF

After about 4 seconds, “SLEEP” lights in the display when the duration time is set.

To change the sleep timer setting

You can press SLEEP repeatedly to select the desired sleep timer setting even after the sleep timer has been activated.

To deactivate the sleep timer

Press M/C to turn off the unit before the setting time has elapsed, or press SLEEP repeatedly to select the sleep timer to “SLEEP OFF” in step 2.

Note

These operations are available only when using the remote commander.

Using the remote commander

Buttons shared on both the remote commander and the unit control the same functions.

HD SCAN button

The selected band is scanned, and receivable HD Radio stations are received for 3 seconds in order of frequency.

SCAN button

The selected band is scanned, and receivable radio stations are received for 3 seconds in order of frequency.

BRIGHT button

To adjust the brightness of the display.

Specifications

Time display

12-hour system

Frequency range

FM: 87.5 – 108 MHz AM: 530 – 1710 kHz

Audio output

Output level 0.7 Vrms at 47 kΩ

Recommended loudness impedance over 10 kΩ

Antenna terminal

75 Ω antenna terminal for FM

Antenna terminal for AM

Power requirements

120 V AC, 60 Hz

Dimensions

Approx. 180 × 60 × 160 mm (w/h/d) (7 7/8 × 2 3/4 × 6 3/8 inches) not incl. projecting parts and controls

Mass

Approx. 3.1 kg (6 lb 8.6 oz)

Supplied accessories

Remote commander (1) FM dipole antenna (1) AM loop antenna (1)

Design and specifications are subject to change without notice.