About the battery as a backup power source

This unit contains a CR2032 battery as a backup power source to keep the clock and the alarm operating during power interruption (No Power Problem system). When to replace the battery

1. If the battery is discharged, "Low" appears on the display.
2. Battery replacement time can be read from the current time and alarm will be turned off.

Changing the battery

1. When the AC plug is connected to the wall outlet, open the battery cover on the side of the unit. (For AC operation, the battery is not used.)
2. Insert the battery (CR2032) fully into the battery compartment.
3. Close securely, stop using the product and keep it away from children. The battery is considered part of the device, pursuant to Part 15 of the FCC Rules. This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following conditions:

i) This device may not cause harmful interference,

ii) This device must accept any interference received, including interference that may cause undesired operation.

WARNING

Do not dispose of the battery in a fire. The battery may explode or leak. Do not expose the battery to high temperatures. Do not recharge, short out, disassemble, or incinerate batteries.

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NOTES ON LITHIUM BATTERY

- Wire the battery with a dry cloth to remove the moisture.
- 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.

WARNING

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.

 Chattel Warranty:

For a warranty copy of this model contact your nearest Sony dealer.

SONY CORPORATION

1050 SACRAMENTO ST.

SAN RAMON, CA 94583

(925) 447-3000

Printed in China

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

NOTES

- When you replace the battery, do not disconnect the AC plug from the wall outlet.
- Otherwise, the current date and time, alarm, and preset channels are erased.
- If the clock is off while you are replacing the battery, the clock cannot be set until the battery is replaced. The time difference may be caused by damage or corrosion.

Troubleshooting

Should any problems persist after you have read the FI-528-478-11 and inspected your Sony dealer.

For clock back up: 3 V DC, one CR2032 battery

Specifications

Frequency range

FM 87.5 MHz – 108 MHz 0.1 MHz
AM 530 kHz – 1,710 kHz 10 kHz

Power requirements

200 V AC

USB power output

± 100 mV (± 10% harmonic distortion)

USB power output

3 V DC (5 V ± 5 V)

Nature Sounds

Sea Waves, Birds, Rain, Boock, Under the Sea

Dimensions

Approx. 164 x 134 x 106 mm

Weight

Approx. 1,800 g (including batteries)

Mass

Approx. 1,680 g (including batteries)

Supplied accessories

AM loop antenna (1)

License and Trademark Notice

No Power Problem® is a trademark of Sony Corporation.

Precautions

- Open the unit to the power source up to the radio antenna.
- To disconnect the power cord [mainly lead, power plug, or the unit]
- Do not cover the unit in a location near a water source, such as a bathtub or sink, or in a place subject to dust, exhaust, duplicate, mechanical, or vibration.
- Allows airborne circulation to prevent overheating.

- Do not place the unit on a surface (e.g., blanket, etc.) or near materials (a curtain) that might block the ventilation holes.

Connecting to an AC power source

Connect the AC power cord to a wall outlet.

Getting Started

Connecting the AM loop antenna

Insert the AM antenna connector into the AM ANTENNA jack on the unit.

To remove the AM loop antenna

1. Push and hold down the tab of the antenna terminal, and remove the antenna.

Connecting to an AC power source

Connect the AC power cord to a wall outlet.

About Automatic DST/summer time adjustment

This unit automatically adjusts for daylight saving time (summer time) (DST) automatically appears on the display at the beginning of daylight saving time (summer time) and disappears at the end of daylight saving time (summer time).

- Daylight saving time (summer time) begins at 2:00 AM on the second Sunday of March.
- Standard time begins at 2:00 AM on the second Sunday of November.

Troubleshooting

Should any problems persist after you have read the FI-528-478-11 and inspected your Sony dealer.

Connecting the AM loop antenna

1. Push and hold down the tab of the antenna terminal, and remove the antenna.

Connecting to an AC power source

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Operations

Setting the clock manually
To change the clock setting manually, operate the clock setting as follows:
1 Press and hold SET TIME/DATE for more than 2 seconds. The time appears on the display.
2 Press VOL+ or - repeatedly to select the hour, and then press SNOOZE/BRIGHTNESS/ENTER.
3 Repeat step 2 to set the month, day, and year.
4 After setting the time, a beep will sound.
Notes
- If you do not press any button for about 1 minute while setting the clock, the clock setting mode will be canceled.
- A 2000-year calendar (2000 – 2099) is installed in the system.

To change the time format
You can switch between the 12-hour numbers (default) or the 24-hour system to display the time. Press and hold ALARM RESET/OFF and SNOOZE/BRIGHTNESS/PRESET simultaneously for about 3 seconds.
The time format toggles between the 12-hour system (AM 12:00 – midnight) and the 24-hour system (00:00 – midnight).

To display the date and time
Press SET TIME/DATE once to display the current date, and press and hold the button for about 2 seconds to display the year. To change the current time display, press SET TIME/DATE twice in a row. Each time you press the button, the clock display will automatically change.

When daylight saving time (summer time) begins/ends
When daylight saving time (summer time) begins/ends, the alarm setting can be changed as follows:
- If the alarm is set to start during the summer time, the alarm will sound at 3 a.m. the next day.
- If the alarm is set to end during the summer time, the alarm will sound at 3 a.m.

To change the time setting
Change the clock setting manually if you have changed the time setting manually.

Example:
The following display appears when you press VOL+ 10 times to preset number 3 in 16 hours.

Listening to the radio
1 Press AM/FM/NATURE SOUND repeatedly to select the desired band (AM or FM).
2 Press TUNING + or - to tune to the desired station.
- If you press TUNING + or - when a station is tuned, the station will be preset.
- When you stop scanning, pressing TUNING + or - stops the scan preset number.
3 Press VOL+/SET + or - to adjust the volume.
- If you turn off the radio, press ALARM RESET/Off.

To preset radio stations
You can preset 5 stations for FM and 5 stations for AM.
1 Tune to the stations you wish to preset.
2 Press and hold the desired NATURE SOUND/PRESET button (FM) until you hear a beep.
3 When the setting is complete, the buzzer will sound. The sound turns off, but will automatically turn on when you use the station.

Notes
- When other functions are in use, NATURE SOUND/PRESET button will not work.

Selecting a Nature Sound
This unit has 5 types of Nature Sounds: Sea waves, Birds, Rain, Brook, and Under the Sea.
1 Press AM/FM/NATURE SOUND repeatedly to select the Nature Sound.
2 Using the projector
- Turn PROJECTION to adjust the focus.
- Rotate the projector unit to point the lens properly.
- The projector function cannot be used unless the projector is set to the same state as in step 1.

Using the projector
The projector function allows you to display the clock or the currently used alarm setting area on a nearby wall or ceiling at a range of 0.5 m - 1.5 m (1’ – 5 feet).

1 Rotate the projector unit to point the projector lens in the desired direction.
2 Press VOL+/SET +.
3 Turn FOCUS to adjust the focus. Turn to turn off the projector, press PROJECTION again.

To rotate the projection view
Press ROTATE PROJECTION repeatedly. Each time you press the button, the projection view rotates as follows:
- Notes
- Do not stare into the lens directly.
- The projector function cannot be used unless the clock has been set.
- Certain walls and settings may not display the projection properly.
- The projector cannot be rotated 90° forward or backward from the ceiling or on the ground.
- The projector unit is rotated beyond its limits, it may be damaged.
- The projector will automatically turn off after 10 minutes.

To stop the alarm
Press ALARM RESET/OFF to turn off the alarm.
The alarm will sound again at the same time the next week or the next weekend.

To doze for a few more minutes
Press SNOOZE/BRIGHTNESS/ENTER. The sound turns off, but will automatically turn on when the preset time comes.
- Each time you press SNOOZE/BRIGHTNESS/ENTER, the duration changes as follows:
  - The display shows the snore timer for a few seconds to indicate the current time (K) or (K) appears on the display.
  - The alarm will sound after a set time (K or K) appears on the display.

To deactivate the alarm
Press SET ALARM/ALARM A (or B), W (or P) button from the display.

To change an alarm setting
Set the alarm again.
Tips
- When the alarm setting is complete, the alarm time is displayed.
- If you press and hold SNOOZE/BRIGHTNESS/ENTER for more than 2 seconds while setting the alarm, the alarm setting is immediately canceled.

Notes
- If a second alarm sounds during a first (or second) alarm, the second alarm takes priority.
- If the alarm is set to sound during the second day, the second alarm will be deactivated automatically when the alarm sounds.

Setting the brightness of the display
Three levels of brightness are available.
Press SNOOZE/BRIGHTNESS/ENTER.
Each time you press the button, the brightness of the display changes as follows:
- Notes
- When the alarm is set to sound, the brightness of the display cannot be changed.
- Even if the brightness is set to off, the display lights at a low brightness level even when the alarm sounds.

Charging a smartphone
You can charge a smartphone by connecting it to the unit using a USB cable (not supplied).
Smartphone

- Notes
- There is no guarantee that this unit can be used to charge and play music on a smartphone (not supplied).
- This unit does not support power feeds greater than 5 V 1 A.
- Check the charge status of the smartphone and the USB cable. Connecting the smartphone to this unit may damage the smartphone or the unit.
- The emitted sound from the unit may damage the smartphone or the unit.

Setting the sleep timer
You can set an alarm in the radio or Nature Sound using the sleep timer, which turns off the radio or Nature Sound automatically after a preset duration.
Press SLEEP while the radio or Nature Sound is playing.

- ’SLEEP’ appears on the display. Each time you press SLEEP, the duration (in minutes) changes as follows:
- The Nature Sound/Preset radio will sound for the set duration, then shut off.
- The alarm will sound for 10 minutes before the preset time. The snooze time can be set to 5 minutes or 10 minutes.

To turn off the radio or Nature Sound before the preset time
Press ALARM RESET/Off to turn off the alarm.

To use both the sleep timer and alarm
You can fall asleep to the radio or Nature Sound and also be awoken by the alarm at the preset time.
Set the alarm, then set the sleep timer.
Tip
- When you press SLEEP while the alarm is activated, the remaining time appears on the display.

Notes
- When the alarm is set to sound during the sleep timer duration, the sleep timer will be deactivated automatically when the alarm sounds.

Charging a smartphone
You can charge a smartphone by connecting it to the unit using a USB cable (not supplied).
Smartphone

- Notes
- There is no guarantee that this unit can be used to charge and play music on a smartphone (not supplied).
- This unit does not support power feeds greater than 5 V 1 A.
- Check the charge status of the smartphone and the USB cable. Connecting the smartphone to this unit may damage the smartphone or the unit.
- The emitted sound from the unit may damage the smartphone or the unit.