

FM/MW/LW PLL Synthesized Radio ICF-M770L

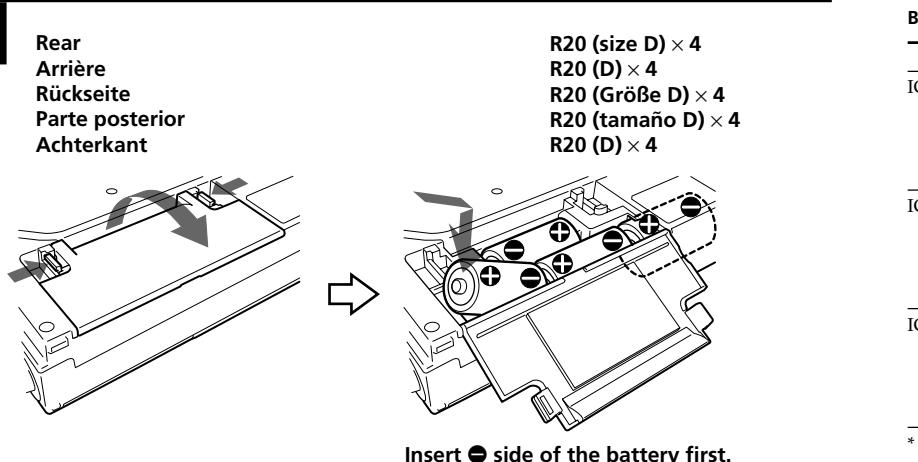
FM/SW/MW PLL Synthesized Radio ICF-M770S

FM/SW/LW PLL Synthesized Radio ICF-M770SL

Operating Instructions Mode d'emploi Bedienungsanleitung Manual de instrucciones Gebruiksaanwijzing

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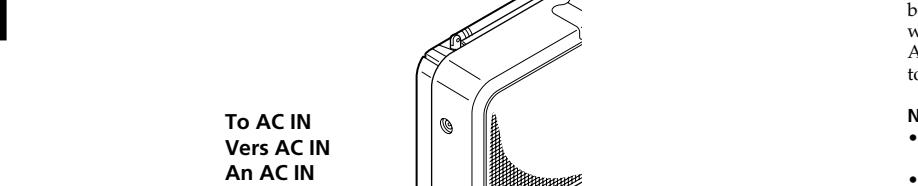
http://www.sony.net/



A
Rear
Arrière
Rückseite
Parte posterior
Achterkant

R20 (size D) x 4
R20 (D) x 4
R20 (Größe D) x 4
R20 (tamaño D) x 4
R20 (D) x 4

Insert **●** side of the battery first.
Insérez la borne **●** de la pile en premier.
Legen Sie die Batterien mit dem Minuspol zuerst ein.
Inserte primero el lado **●** de la pila.
Bringt den **●** kant van de batterij eerst in.



B
To a wall outlet
Vers une prise murale
A eine Netzsteckdose
A una toma de pared
Naar een stopcontact

To AC IN
Vers AC IN
An AC IN
A AC IN
Naar AC IN

AC power cord
Cordon d'alimentation secteur
Netzkabel
Cable de alimentación de CA
Netsnoer

Slow turn the volume until the radio automatically can be set to turn off after 15, 30 or 60 minutes).
Scan Tuning that automatically scans the stations in the frequency range.

Tone quality adjustment function.
Sleep timer viewing the display in the dark.
You can choose from two power sources: batteries or house-current.

Using on House Current (See Fig. B)
Connect the AC power cord (supplied) to the AC IN jack of the unit.

Notes on the AC power cord connection
• Before replacing the batteries, make sure that the radio is turned off.
• Replace the batteries with new ones.
• Otherwise, the settings for the clock, standby timer, preset stations and the channel step will be initialized and "000" will flash in the display.

Notes on replacing the batteries
• Before replacing the batteries, make sure that the radio is turned off.
• Replace the batteries with new ones.
• Otherwise, the settings for the clock, standby timer, preset stations and the channel step will be initialized and "000" will flash in the display.

Notes on the batteries
• Do not charge the dry batteries.
• Do not mix the dry batteries together with coins or other metallic objects. It can generate heat if the positive and negative terminals of the batteries accidentally come into contact with metallic objects.

Using on House Current (See Fig. B)
Connect the AC power cord (supplied) to the AC IN jack of the unit.

Notes on the AC power cord connection
• If the batteries are not installed and the AC power cord is disconnected for more than 40 seconds, the settings for the clock, standby timer, the preset stations and the channel step will be initialized. Should this happen, set them again.

• Before connecting or disconnecting the AC power cord from the wall outlet, be sure to turn off the radio. Otherwise the radio will turn off and "000" will appear even when the unit is not used for a long time. Turn off the radio by pressing **OPERATION**.

• In vehicles or buildings, radio reception may be affected by metal parts. To have a radio near a window, keep away personal credit cards using magnets, coding or spring-wound watches from the unit to prevent possible damage from the magnet.

• To clean the casing, use a soft cloth dampened with a mild detergent solution.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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

To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as vases, on the unit.

Connect the apparatus to an easily accessible AC outlet. Should you notice an abnormality in the apparatus, disconnect the main plug from the AC outlet immediately.

Before You Begin
Thank you for choosing the Sony radio!
It will give you many hours of reliable service and listening pleasure.

Before operating the radio, please read these instructions thoroughly and retain them for future reference.

These instructions cover these models:
ICF-M770L, ICF-M770S and ICF-M770SL.
Their differences are shown below.

Model number Band

ICF-M770L FM/MW/LW

ICF-M770S FM/SW/MW

ICF-M770SL FM/SW/LW

Features

• Quartz-controlled PLL (Phase Locked Loop) synthesizer system using a microcomputer for easy pinpoint tuning.

• Small dial with an analog touch for station selection.

• A total of 28 stations can be preset, 14 FM stations and 7 stations each for SW, MW and LW.

• Easy to press **PRESET** TUNING buttons on top panel.

• A large 12 cm diameter built-in speaker for obtaining high quality sounds.

• Standby timer that turns on the radio at a preset time.

The radio is not turned on even if **OPERATION** is pressed, or the radio is suddenly turned off.
• The batteries are used up and the **"000"** is displayed. Replace all the batteries with new ones.

The preset stations may be initialized, if a memory error occurs in the setting.
Please keep a copy of your settings in case you want to preset them again.

Specifications

Time display: 24-hour system

Frequency range:

Band ICF-M770L ICF-M770S ICF-M770SL Channel step

FM 87.5 - 87.5 - 87.5 - 0.05 MHz

(108 MHz) 108 MHz 108 MHz

SW — 5.800 — 5.800 — 5 kHz

15.900 kHz 15.900 kHz

MW 531 - 531 - 531 - 9 kHz

1.602 kHz 1.602 kHz

LW 153 - 153 - 153 - 9 kHz

279 kHz 279 kHz

Speaker: 12 cm (4.5 inches), 8 W

Power output: 350 mW (at 10% harmonic distortion)

Output: (φ 3.5 mm) jack (φ 3.5 mm minijack)

Power consumption: 220-230 V AC, 50Hz

6 V DC, four R20 (size D) batteries

Dimensions: Approx. 277 × 155 × 71.5 mm (W/h/D) (approx. 11 1/4 × 5 1/2 × 2 3/4 inches) incl. projecting parts and controls

Mass: Approx. 1.540 g (3lb 6 oz) incl. batteries

Supplied accessories: AC power cord (1)

Design and specifications are subject to change without notice.

Choosing Power Sources

Installing the Batteries (See Fig. A)

Press and hold both ends of the battery compartment lid inward and pull them to you open the lid.

Install four R20 (size D) batteries (not supplied) with correct polarity and close the lid.

"000" will appear in the display when you install batteries for the first time. To stop the display from flashing, set the clock. (See "Setting the Clock")

Note: When operating the unit on batteries, remove the AC power cord from the AC IN jack. The unit cannot be operated on batteries when the AC power cord is connected to the AC IN jack.

Battery Life (Approx. hours) (JEITA*)

FM SW MW LW

ICF-M770L Sony alkaline 380 — 540 520

(LR20 (size D))

Sony R20 (size D) 140 — 190 180

(D) battery

ICF-M770S Sony alkaline 380 480 540 —

(LR20 (size D)) battery

Sony R20 (size D) 170 190 —

(D) battery

ICF-M770SL Sony alkaline 380 480 —

(LR20 (size D)) battery

Sony R20 (size D) 170 —

(D) battery

* Measured by JEITA (Japan Electronics and Information Technology Industries Association) standards. The actual battery life may vary depending on the circumstance of the unit.

When to replace the batteries.

• The radio does not work, the sound may become weak or distorted, and "000" will flash in the display. After that, when the batteries are used up, "000" will light and the power of the unit will be turned off. If this happens, replace the batteries with new ones.

After the batteries are replaced, press **OPERATION** to turn off the unit.

Notes on replacing the batteries

• Before replacing the batteries, make sure that the radio is turned off.

• Replace the batteries with new ones.

• Otherwise, the settings for the clock, standby timer, preset stations and the channel step will be initialized and "000" will flash in the display.

Notes on the batteries

• Do not charge the dry batteries.

• Do not mix the dry batteries together with coins or other metallic objects. It can generate heat if the positive and negative terminals of the batteries accidentally come into contact with metallic objects.

Using on House Current (See Fig. B)

Connect the AC power cord (supplied) to the AC IN jack of the unit.

Notes on the AC power cord connection

• If the batteries are not installed and the AC power cord is disconnected for more than 40 seconds, the settings for the clock, standby timer, the preset stations and the channel step will be initialized. Should this happen, set them again.

• Before connecting or disconnecting the AC power cord from the wall outlet, be sure to turn off the radio. Otherwise the radio will turn off and "000" will appear even when the unit is not used for a long time. Turn off the radio by pressing **OPERATION**.

• In vehicles or buildings, radio reception may be affected by metal parts. To have a radio near a window, keep away personal credit cards using magnets, coding or spring-wound watches from the unit to prevent possible damage from the magnet.

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• Small dial with an analog touch for station selection.

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The preset stations may be initialized, if a memory error occurs in the setting.

Please keep a copy of your settings in case you want to preset them again.

Specifications

Time display: 24-hour system

Frequency range:

Band ICF-M770L ICF-M770S ICF-M770SL Interval d'accord

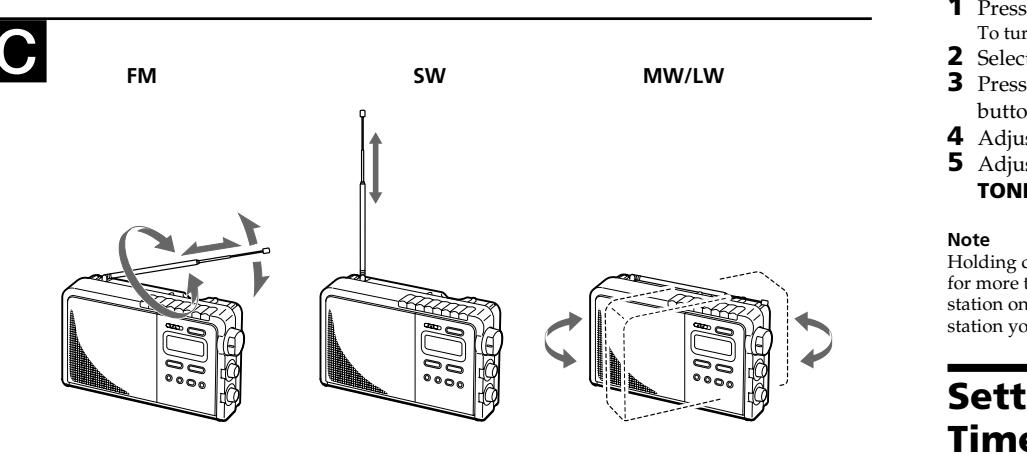
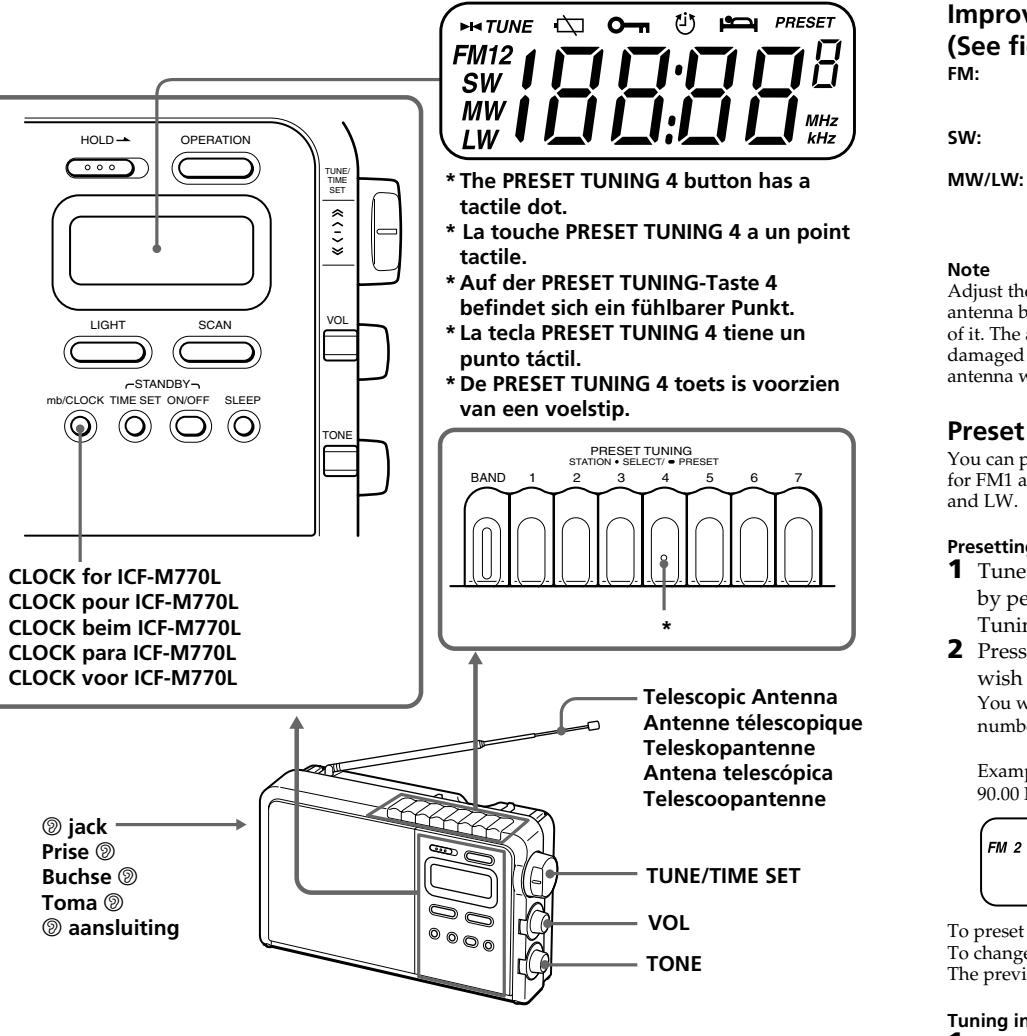
FM 87.5 - 87.5 - 87.5 - 0.05 MHz

(108 MHz) 108 MHz 108 MHz

SW — 5.800 — 5.800 — 5 kHz

15.900 kHz 15.900 kHz

MW 531 - 531



English

Preventing Accidental Change - HOLD function

Slide **HOLD** in the direction of the arrow. “ $\circ\circ\circ$ ” is displayed, indicating that all the function buttons are locked.

To release the protection, slide **HOLD** in the opposite direction of the arrow so that “ $\circ\circ\circ$ ” disappears.

Setting the Clock

“ $\circ\circ\circ$ ” will flash in the display when the batteries are installed or the AC power cord is plugged in for the first time.

The clock can be adjusted only when the radio is turned on.

1 Press **mb/CLOCK (CLOCK for ICF-M770L)** for more than 2 seconds.

2 Turn **TUNE/TIME SET** to set the hour for the time digits, then press **mb/CLOCK (CLOCK for ICF-M770L)**.

“ $\circ\circ\circ$ ” starts flashing.

3 Turn **TUNE/TIME SET** to set the minute for the current time, then press **mb/CLOCK (CLOCK for ICF-M770L)**.

The clock starts operating, and “ $\circ\circ\circ$ ” starts flashing.

To set the current time exactly to the second, adjust the minute and then press **mb/CLOCK (CLOCK for ICF-M770L)** for more than 2 seconds, the “ $\circ\circ\circ$ ” hour starts flashing.

4 Turn **TUNE/TIME SET** to set the hour for the time digits again, then press **mb/CLOCK (CLOCK for ICF-M770L)**.

“ $\circ\circ\circ$ ” disappears.

The clock setting mode will be canceled.

• 24-hour system: “ $00:00$ ” = midnight, “ $12:00$ ” = noon

Using the Backlight Function

Press **LIGHT** to turn on the backlight.

To turn off the backlight, press **LIGHT** again.

When operating the unit on batteries

The backlight will turn on automatically after 30 seconds to save the batteries. However, if you operate the radio while the backlight is lit, it will stay on for another 30 seconds.

To turn off the backlight before the time has elapsed, press **LIGHT**.

Changing MW Channel Step (for ICF-M770L or ICF-M770S only)

The MW channel step differs depending on areas. The channel step of this unit is factory-set to 9 kHz. Change the settings as shown below to able to listen to the radio.

1 Follow steps 1 to 2 in “Manual Tuning.”

2 Press **SCAN**.

The frequency starts changing. Scan Tuning begins from the previously received frequency and pauses for 3 seconds when a station is received, then the scanning will continue.

3 When the radio tunes in to the desired station, press **SCAN** to stop scanning.

If necessary, turn **TUNE/TIME SET** to $\circ\circ\circ$ or $\circ\circ\circ$ to tune in to the station more precisely.

4 Adjust the volume using **VOL**.

Adjust the tone to your preference using **TONE**.

To listen with an earphone (not supplied)

Connect an earphone to the \odot jack. The sound through the speaker will not be heard.

To cancel the Sleep Timer

Press **OPERATION** to turn off the radio before the set time has elapsed, then press **OPERATION** again to turn on the radio.

To Change the Sleep Timer Setting

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

1 Follow steps 1 to 2 in “Manual Tuning.”

2 Press **SCAN**.

The frequency starts changing. Scan Tuning begins from the previously received frequency and pauses for 3 seconds when a station is received, then the scanning will continue.

3 When the radio tunes in to the desired station, press **SCAN** to stop scanning.

If necessary, turn **TUNE/TIME SET** to $\circ\circ\circ$ or $\circ\circ\circ$ to tune in to the station more precisely.

4 Adjust the volume using **VOL**.

Adjust the tone to your preference using **TONE**.

Pour une écoute individuelle (écouteurs non fournis)

Branchez des écouteurs sur la prise \odot . Le son provenant des écouteurs ne sera pas audible.

Note

When the MW channel step is changed, only the preset stations on the MW band will be initialized.

French

Pour éviter toute modification accidentelle

Faites glisser **HOLD** dans le sens de la flèche. L’indication “ $\circ\circ\circ$ ” s’affiche, indiquant que toutes les touches de commande sont verrouillées.

Dès que vous déplacez la tête, faites glisser à nouveau **HOLD** dans le sens de la flèche de manière à faire disparaître “ $\circ\circ\circ$ ”.

For details on the frequency range or SW meter band, see “Specifications” or “Manual Tuning” respectively.

**Improving Radio Reception
(See fig. [C])**

FM: Extend the telescopic antenna and adjust the length and the angle for best reception.

SW: Extend the telescopic antenna vertically.

MW/LW: Turn the unit horizontally for optimum reception. A ferrite bar antenna is built in the unit.

Note

Adjust the direction of the antenna by holding the bottom of it. The antenna can be damaged when you move the antenna with excessive force.

De PRESET TUNING 4 toets is voorzien van een voelstift.

Preset Tuning

You can preset up to 14 FM stations (7 stations each for FM1 and FM2) and 7 stations each for SW, MW and LW.

Presetting a Station

In “ $\circ\circ\circ$ ” in the station you wish to preset, by performing “Manual Tuning” or “Scan Tuning.”

2 Press the **PRESET TUNING** button you wish to preset for more than 2 seconds. You will hear two short beeps and the preset number appears in the display.

Example: Display window when you preset FM 90.00 MHz in preset number 2 for FM2.

3 To preset another station, repeat these steps. To change the preset station, preset a new station. The previously preset station will be cancelled.

Tuning in to a Preset Station

1 Press **OPERATION** to turn off the radio, press **OPERATION** again.

2 Set the band with **BAND**.

3 Press the desired **PRESET TUNING** button.

4 Adjust the volume using **VOL**.

5 Adjust the tone to your preference using **TONE**.

Note

Holding down the desired **PRESET TUNING** button for more than 2 seconds will replace the previous station on the **PRESET TUNING** button with the station you tuned in to.

Modification de l’intervalle d’accord MW

(pour ICF-M770L ou ICF-M770S uniquement)

L’intervalle d’accord MW est différent selon les pays. L’intervalle d’accord de cet appareil a été réglé en usine sur 9 kHz. Modifiez les réglages comme indiqué ci-dessous pour écouter la radio.

Setting the Standby Timer

Vous pouvez faire tourner le radio pour écouter la radio à un autre moment.

• Pour écouter la radio à un autre moment, appuyez sur **TUNE/TIME SET** et **STANDBY ON/OFF**, puis appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)**.

Le réveil commence à fonctionner et l’indication “ $\circ\circ\circ$ ” commence à clignoter.

Utilisation de la fonction de rétroéclairage

Appuyez sur **LIGHT** pour allumer le rétroéclairage. Pour éteindre le rétroéclairage, appuyez de nouveau sur **LIGHT**.

Si vous utilisez l’appareil sur piles

Le rétroéclairage s’active automatiquement au bout de 30 secondes après l’écoulement de l’heure de la radio.

• Cycle de 24 heures : “ $00:00$ ” = minuit, “ $12:00$ ” = midi

Comment régler les chiffres des heures

Lorsque vous tournez **TUNE/TIME SET** sur $\circ\circ\circ$ ou $\circ\circ\circ$, les chiffres des heures avancent ou reculent d’une unité à la fois et lorsque vous tournez sur $\circ\circ\circ$ ou $\circ\circ\circ$, ils changent rapidement.

Accord par balayage

La syntonisation par balayage vous permet de balayer automatiquement les stations dans la plage de fréquences d’une bande. Pour la bande SW, si le débit d’alimentation est branché pour la première fois, l’horloge peut être réglée uniquement lorsque la radio est éteinte.

1 Appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)** pendant plus de 2 secondes. L’indication des heures commençant à clignoter.

2 Tournez **TUNE/TIME SET** pour régler les heures, puis appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)**.

3 Tournez **TUNE/TIME SET** pour régler les minutes, puis appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)**.

4 Régulez le volume à l’aide de la commande **VOL**.

5 Régulez la tonalité selon vos préférences à l’aide de la commande **TONE**.

Remarques

Pour écouter l’heure, appuyez sur **TUNE/TIME SET** sur $\circ\circ\circ$ ou $\circ\circ\circ$, l’heure de l’heure de la radio apparaît dans la plage de fréquences de la bande SW.

• Si vous n’actionnez pas la touche **mb/CLOCK (CLOCK for ICF-M770L)** ou **TUNE/TIME SET** pendant 2 secondes, l’heure de l’heure de la radio disparaît.

• Cycle de 24 heures : “ $00:00$ ” = minuit, “ $12:00$ ” = midi

Deactivation des Echos de MW

Dès que vous tournez **TUNE/TIME SET** sur $\circ\circ\circ$ ou $\circ\circ\circ$, l’indication “ $\circ\circ\circ$ ” s’affiche.

1 Tournez **TUNE/TIME SET** pour régler les minutes, puis appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)**.

2 Tournez **TUNE/TIME SET** pour régler les minutes, puis appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)**.

3 Tournez **TUNE/TIME SET** pour régler les minutes, puis appuyez sur **mb/CLOCK (CLOCK for ICF-M770L)**.

4 Régulez le volume à l’aide de la commande **VOL**.

5 Régulez la tonalité selon vos préférences à l’aide de la commande **TONE**.

Notes

Si vous n’actionnez pas la touche **mb/CLOCK (CLOCK for ICF-M770L)** ou **TUNE/TIME SET** pendant 2 secondes, l’heure de l’heure de la radio disparaît.

• Cycle de 24 heures : “ $00:00$ ” = minuit, “ $12:00$ ” = midi

Comment régler les chiffres des heures

Lorsque vous tournez **TUNE/TIME SET** sur $\circ\circ\circ$ ou $\circ\circ\circ$, les chiffres des heures avancent ou reculent d’une unité à la fois et lorsque vous tournez sur $\circ\circ\circ$ ou $\circ\circ\circ$, ils changent rapidement.

Accord par balayage

La syntonisation par balayage vous permet de balayer automatiquement les stations dans la plage de fréquences d’une bande. Pour la bande SW, si le débit d’alimentation est branché pour la première fois, l’horloge peut être réglée uniquement lorsque la radio est éteinte.

1 Appuyez plusieurs fois sur **SLEEP** pour sélectionner le réglage du temporeur souhaité alors que “ $\circ\circ\circ$ ” clignote.

2 Tournez **TUNE/TIME SET** pour régler les heures, puis appuyez sur **SLEEP**.

3 Tournez **TUNE/TIME SET** pour régler les minutes, puis appuyez sur **SLEEP**.

4 Régulez le volume à l’aide de la commande **VOL**.

5 Régulez la tonalité selon vos préférences à l’aide de la commande **TONE**.

Notes

Si vous n’actionnez pas la touche **SLEEP** pendant 3 secondes,