### SONY

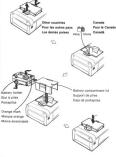
AIR BAND/FM/AM PLL SYNTHESIZED RECEIVER PSB/AIR/FM/AM PLL SYNTHESIZED RECEIVER

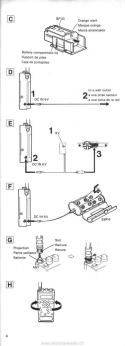
# AIK-/

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This instruction manual covers the following four models: Type 1 can receive air band, PSB\*, AM and FM (76.0-108.0 MHz)

broadcast bands. Type 2 can receive air band, PSB, AM and FM (87.6-108.0 MHz) broadcast bands. Type 3 can receive air band. AM and FM (76.0-108.0MHz) broad-

cast bands. Type 4 can receive air band. AM and FM (87.6-108.0MHz) broad-

cast bands. The differences between the models are due to the regulations of your country. Their performance and characteristics are identical except for the tuning band of the receiver. The differences are clearly described in the text.

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\* PSB (Public Service Band) On the PSB, you can monitor police, fire, forestry conservation, VHF weather marine, highway maintenance, land mobile, and other public safety radio services. The general frequency allocation is shown on the dial scale.

NOTICE: In certain localities, it is illegal to listen to police or other govern mental transmissions. Check with your local authorities

### FEATURES

- The AIR-7 portable receiver receives the air traffic control frequencies, 108-136 MHz, as well as standard FM and AM broadcasts. With type 1 and 2 models, PSB, 144-174 MHz, can also be received.
- received.

  The quartz controlled PLL (Phase Locked Loop) synthesizer system uses a microcomputer to make pinpoint tuning easy. The tuned frequency is displayed digitally.
- Choice of direct, scan, manual or memory tuning.
- Up to 40 (type 1 and 2 models) or 30 (type 3 and 4 models) stations can be memorized so that they can be tuned in at the press of a key.
- a key.

  Air band and PSB can be received more easily with the memory scanning, program function, priority function and delay function.

  Squelch control to suppress noise while tuning and during
- intervals between communications.

  The key protect function operates at the press of a key to lock
  the keys on the front face so they cannot be operated by accident.

  Helical antenna for high sensitivity and selectivity has BNC connector for attachment to the receiver.
- nector for attachment to the receiver.

  Four different power sources: batteries, house current, rechargeable battery pack or car battery.

### **PRECAUTIONS**

- Operate the receiver only on 6 V dc with four IEC designation R6 hatteries (size AA).
- For ac operation, use the ac power adaptor recommended for this set.
- For car battery operation, use the car battery cord recommended for this set.

  Use the set within a temperature range of 0°C to 40°C (32°F to
- 104\*F). It it is used in dispersion to the dispersion of the dispe
- Do not leave the set near heat sources, such as radiators or air-ducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, mechanical vibration, or shock.
   Should any solid object or liquid fall into the set, remove the bat-
- Should any solid object or liquid fall into the set, remove the batteries, and have the set checked by qualified personnel before operating it any further.
- When the case becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the case.
- cleansers or chemical sorvents, as they may mar the case.

  In vehicles or in buildings, radio reception may be difficult or noisy. Try listening near a window.

  When there is lightning and you are using an external antenna,
- immediately disconnect the ac power adaptor (if connected) from the wall outlet. Never touch the antenna wire when there is lightning storm.

  Reception of 108.875 MHz, 166.17 MHz, 167.08 MHz and 455 kHz.
- Reception of 109.875 MHz, 166.17 MHz, 167.08 MHz and 455 kHz may be difficult due to internal spurious signals generated by the built-in oscillators.

If you have any question or problem concerning your set that is not covered in this manual, please consult your nearest Sony dealer.

# LOCATION AND FUNCTION OF CONTROLS

See photo A on page 3.

POWER switch

Depress to turn on the receiver ( = ON).

To turn the receiver off, press it again ( # OFF).

♦ VOL (volume) control

Turn clockwise for more volume. It can be depressed (■) to
the SQL (squeich) control to be adjusted more easily.

Helical antenna (supplied)
 Used for air band, PSB and FM reception.

0 ANT (------

ANT (antenna) connector
 Connect the supplied helical antenna

Connect the supplied helical antenna or the BNC connector of an optional external antenna for air band, PSB and FM reception.

● SQL (squelch) control
Used for cutting background noise while tuning and during intervals between communications. Normally, depress the control
(\_A\_AUTO, Press it again to set to \_MANUAL, and adjust the
squelch level manually.

O @ (earphone) iack

Connect the supplied earphone for private listening. This jack is also used for connecting an external speaker recording broadcast on a tape recorder.

### AM EXT (external) ANTENNA jack

Connect an optional external antenna for AM reception

Band selector
 Select the desired band.

O Display (LCD)
Displayed as follows:

Indicates the

band being

AIR 128.800

Indicates that the input frequency is out of range. Indicates that the priority function is activated.

The large black dot indicates that the frequency is memorized to the (8 key.

delay function is activated for the & key.

Indicates that the program function is

Counter keys
Used to input a frequency for direct tuning, to memorize a stat

Used for direct tuning.

After pressing the DIRECT key and inputting the desired frequency with the counter keys, press this key to tune in the frequency.

with the counter keys, press this key to tune in the frequency.

SCAN keys
Used for scan tuning and manual tuning.

When you press the  $\oplus$  (plus) or  $\ominus$  (minus) key, the frequency is increased or decreased by the intervals shown on page 13. If you keep the key pressed, the frequency changes continuously.

#### D LIGHT switch

The display is illuminated when this switch is pressed.

#### @ KEY PROTECT key

When this key is pressed once, the keys on the front face are locked and no longer function.

To release this key, press it again.

DC IN 6V (external power input) jack
For operation from an external power source.

### Speaker

ENTER key

#### Used to memorize a frequency.

After inputting the desired frequency, while pressing this key, press the counter keys at which the frequency is to be memorized.

#### Battery compartment (rear)

9 kHz/10 kHz selector (inside battery compartment)
Used to change the MW tuning interval.

## DIRECT key Used for direct tuning.

⊕ RECEIVE indicator (LED)

## When a signal or a noise is received, this indicator lights in red.

#### KEYS FOR AIR BAND AND PSB RECEPTION (indicated in green)

### MEMORY SCAN key Used for memory scan tuning.

Used for memory scan tuning.

PROGRAM key

# Used to initiate the program function. See page 20. DELAY key

DELAY key
Used to initiate the delay function. See page 22.

### PRIORITY key

Used to initiate the priority function. See page 21.

### POWER SOURCES

The internal batteries are also used to back up the built-in microcomputer. Be sure to keep the batteries installed even when the receiver is operated on other power sources.

#### BATTERIES Battery inst

**Battery installation** 

Insert four IEC designation R6 batteries (size AA) with correct polarity, following illustration (B) on page 3.

Make sure that nothing is connected to the DC IN 6V jack when you

want to operate the set on its internal batteries.

#### Battery life

Dattery wile 
You can expect Sony SUM-3(NS) New Super batteries to last for approx. 9 hours for air band, PSB and AM reception and approx. 10 
hours for FM reception. This assumes listening for four hours a day at normal volume. When the sound becomes weak or distorted and the display becomes faint, replace all blatteries with new ones.

#### Note on replacement of the batteries

When replacing the batteries, be sure to install new batteries within 3 minutes. If the batteries are not installed within 3 minutes, all memory contents will be erased.

#### Note

### When the atmosphere is especially dry, static electricity may cause the following:

- The display may disappear.
- Random figures may appear in the display.
- The indication preset at the factory—AIR 108 MHz, PSB 144 MHz, FM 76.00 MHz (type 1 and 3 models), FM 87.60 MHz (type 2
- 144 MHz, FM 76.00 MHz (type 1 and 3 models), FM 87.60 MHz (type 2 and 4 models) or AM 531 kHz (530 kHz in Canada)—may appear in the display.
- The frequencies cannot be tuned in.
  If any of these things occur, remove and re-install the batteries.
  - any of these things occur, remove and re-install the patterie

### RECHARGEABLE BATTERY PACK

Install the Sony BP-23 rechargeable battery pack (optional) into the battery case in place of the batteries.

See illustration © on page 4.

To charge the battery pack, connect the receiver to a wall outlet using the ac power adaptor listed below.

Charging time is about 4.5 hours. Approx. 5 hours of air band and PSB reception is possible.

#### HOUSE CURRENT

Connect the optional ac power adaptor recommended below to the receiver DC IN 6 V jack, then to a wall outlet. See illustration (D) on page 4.

aye 4.		
Where used	AC power adaptor	Input voltage of adaptor
Canada	AC-9 (available in Canada)	120 V ac, 60 Hz
Europe	AC-456C (avail- able in Europe)	220 V ac, 50 Hz (110V ac adjustable, 50(60 Hz)
Other countries	countries AC-4A (available 110, 120, 220 or in other countries) ac adjustable, 5	
Outside of Japan	AC-4A (available in Japan)	120 V ac (110, 220 or 240 V ac adjustable), 50/60 Hz

### CAR BATTERY

Connect the optional Sony car battery cord DCC-127A or DCC-120 (for 12 V car battery), or DCC-240 (for 24 V car battery) as in illustration [E] on page 4.

· Before connecting, be sure to read the instruction manual for the car battery cord.

· Reception may be affected by ignition noise while the engine is running BATTERY CASE

Insert four IEC designation R14 (size C) batteries with the correct polarity into the Sony EBP-6 battery case (optional), and connect the battery case to the DC IN 6V jack as in illustration [F] on page Approx. 20 hours for air band, PSB and AM reception using the

Sony SUM-2(NS) New Super batteries when listening for four hours. a day at normal volume is possible. Caution: When using an EBP-6 battery case, make sure that batteries and not the BP-23 rechargeable battery pack are installed in

the set. If you use an EBP-6 battery case when a BP-23 rechargeable battery pack is in the set, charging from the EBP-6 to the BP-23 will begin, so the batteries in the EBP-6 will be drained. Note If a car battery cord or an ac power adaptor not manufactured by Sony is used, a fuse must be installed in the battery cord or the ac



HOW TO CHANGE THE MW TUNING INTERVAL

The MW tuning interval is factory preset to 10 kHz (Canada) or 9 kHz (other countries) to match the local frequency allocation system. If you use the receiver in an area where the frequency allocation system is based on the other interval, change the position of the 9 kHz/10 kHz selector in the battery compartment as follows.

rear



#### 1 Remove the batteries. 2 Switch the selector.

- 3 Wait at least 10 minutes, then put back the batteries in the compartment and close the lid.

#### . If you replace the batteries within approx, 10 minutes after the batteries are removed, the tuning interval will not be changed although the selector has been switched. Be sure to wait for at least 10 minutes.

· After changing the MW tuning interval, memorize the stations and functions again, as the previous memory may have been eras-

## ed.

click is heard. See illustration (G) on page 4.

INSTALLATION OF THE HELICAL ANTENNA For air band, PSB or FM reception, use the supplied helical antenna. Insert the projection of the set's ANT connector into the slot of the connector on the antenna, and turn the antenna clockwise until a

If you know the frequency of a station to be received, you can tune in the station easily by direct tuning The numbers in the illustration refer to the sequence of operation.



- Decress the POWER switch ( ... ON). Set the band selector to the desired band.
- Set the SQL control to MIN. Press the DIRECT key, input the frequency of the station to be
- received using the counter keys, then press the EXECUTE key. The station will be tuned in. Examples: AM 1240 kHz (Canada)



Adjust the volume with the VOL control. After listening, press the POWER switch again to turn th receiver off ( # OFF).

For AM reception, the built-in ferrite bar antenna functions. Since this antenna is directional, rotate the set horizontally for optimum reception, if necessary. See illustration [H] on page 4.

Note: After pressing the DIRECT key or a counter key, press the next key within 5 seconds. If you do not, the previous station will return.

The frequency received by this receiver is displayed in steps of the following intervals, depending on the bands.

AIR: 0.025 MHz PSB: 0.005 MHz

FM: 0.050 MHz MW: 9kHz or 10kHz\*

LW: 1kHz SW: 1 kHz

This is because the frequencies are allocated at these intervals. Therefore, if you input a frequency between the interval, the frequency at the interval just below will be tuned in and displayed. For example, if you input AM 1,000 kHz with the tuning interval set to 9 kHz, AM 999 kHz will be tuned in and displayed.

\* This tuning interval can be set to 10 kHz or 9 kHz by switching the 9kHz/10kHz selector in the battery compartment. See page 11. Press the DIRECT key again and input the correct frequency.

# If you input a wrong frequency

station's frequency will reappear.

The TRY AGAIN! Indication If you input a frequency outside the frequency range (AIR 108-136 MHz, PSB 144-174 MHz, FM 87.6-108.0 MHz for type 2 and 4 models. FM 76.0 - 108.0 MHz for type 1 and 3 models. AM 150-2,194 kHz), the indication [TRY AGAIN]! will blink in the display. When you input a proper frequency, [TRY AGAIN]! indisplay. When you input a proper frequency, [TRY AGAIN]! indication will disappear. If you leave [TRY AGAIN]! indication blinking, it will disappear after about 5 seconds, and the tuned

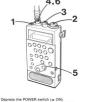
Notes on antenna . If reception is unsatisfactory with the helical antenna or the built-in ferrite bar antenna, connect an external antenna. To con-

nect an external antenna, see page 22. . In vehicles or in buildings, reception may be difficult or noisy. Try listening near a window.

#### **SCAN TUNING**

Use scan tuning to automatically scan the stations in the frequency range of the band being received. Scanning stops automatically at each station.

automatically at each station.
The numbers in the illustration refer to the sequence of operations.



Set the band selector to the desired band. Depress the SQL control ( \* AUTO ).

Turn the VOL control slightly clockwise. Press the SCAN  $\oplus$  or  $\ominus$  key for at least 0.5 second to start scanning, then release the key. The display changes continuously and stops automatically when a station is received. Pressing the  $\ominus$  key, the tunder frequency is increased.

Pressing the ⊕ key, the funed frequency is increase Pressing the ⊖ key, the frequency is decreased.



- Repeat step 5 until the desired station is received. 6 Adjust the volume with the VOL control.
- For AM reception, if necessary rotate the set horizontally for optimum reception.
   To stop scanning, press the ⊕ or ⊖ key momentarily.

After listening, set the POWER switch to m OFF.

If stations cannot be tuned in by scan tuning with the SQL control set to m AUTO, press the SQL control again (m MANUAL) and

adjust the control. (See "How to use the SQL control" on page 15)

If scanning stops a little before a station, tune in the frequency

# more precisely by manual tuning (See page 16.). Note on scanning Scanning is performed in the range of the band being received, at

Scanning is performed in the range of the band being received, at the intervals shown on page 13. When the upper limit of the frequency of that band is reached, the dial is scanned back to the lower limit, and vice versa.

#### HOW TO USE THE SQL CONTROL Normally, depress the SQL control ( AUTO).

Normally, depress the SQL control (= AUTO). Signals and noise below the factory-set level will be suppressed



Press this control again to release it (# MANUAL), and adjust the squelch level.



Turn the control counterclockwise (towards MIN) to receive weaker signals.



When stations cannot be tuned in with the SQL control set to a AUTO during scan tuning and memory scan tuning, adjust the control as follows.

trol as follows.

It scanning does not begin, set the control to **m** MANUAL and turn the control slowly clockwise (towards MAX). At the level at which the RECEVE indicator goes out, scanning will begin. Be careful not to turn the control too far clockwise or weak signals will not be received.



RECEIVE Indicato

 If scanning does not stop, set the control to me MANUAL and turn the control slowly counterclockwise (towards MIN). When the RECEVE indicator lights up, turn the control clockwise again until the indicator goes out.



/E REC

### MANUAL TUNING

Use manual tuning when you do not know the frequency of the station you want to tune in, or when you want to tune in a station more precisely after scan tuning.



- Depress the POWER switch ( a ON).
  Set the band selector to the desired band.
  Set the SQL control to MIN.
- Keep the SCAN ⊕ or ⊖ key pressed until the desired station is received.



SCAN SCAN

- (E) Press the SCAN key momentarily to tune the station precisely. Each time the key is pressed, the frequency is increased or decreased by the intervals shown on page 13.
- 5 Adjust the volume with the VOL control.

After listening, set the POWER switch to m OFF.

### MEMORY TUNING

Once the frequencies of the stations you want to tune in are memorized, all you have to do is to push a key.

One FM, one AM, one AIR and one PSB station can be memorized to a key, or a total of 40 stations (type 1 and 2 models) or 30 stations (type 3 and 4 models) to all the counter keys.

#### HOW TO MEMORIZE A STATION

The numbers in the illustration refer to the sequence of operations



- Tune in the desired station using any tuning methodtuning (page 12), scan tuning (page 14) or manual tuning (page 16).
- While pressing the ENTER key, press one of the counter keys. A been sounds and the corresponding dot appears.



- · The frequencies memorized to all the counter keys at the factory are as follows:
  - AIR: 108 MHz PSB: 144 MHz
    - FM: 76 MHz (type 1 and 3 models) 87.6 MHz (type 2 and 4 models)
    - AM: 531 kHz (530 kHz in Canada)
- . If you memorize another station of the same band to a key on which you have already memorized a station, the previous station will be erased.

You cannot erase a station without memorizing another station.

To check your memory
After memorizing the stations, press each counter key in turn to
check that the desired stations have been memorized correctly.
You can recall a station any time by pressing its counter key.

HOW TO RECEIVE A MEMORIZED STATION

Turn the power on, select the band and press the appropriate counter key. The memorized station will be received.



Note: If no batteries are installed for more than 3 minutes, all memorized stations will be erased.

AIR/PSB reception

You can monitor aviation communications between aircraft and airport towers, such as a pilot's request for instructions, report of his position, and filling of his flight plans.

For type 1 and 2 models, you can monitor police, fire, forestry conservation, VHF weather, traffic and other public safety radio services, as well as the air ban.

Direct tuning, scan tuning, manual tuning and memory tuning

Tuning procedure is the same as for FM or AM reception. See pages 12 to 18. If necessary, set the SQL control to **m** MANUAL and adjust it. (See page 15.)

18

### MEMORY SCAN TUNING

The stations memorized on the counter keys are scanned in sequence at the press of the MEMORY SCAN key and scanning stops automatically when a signal is received. Memorize frequencies to all counter keys. (See "How to momorize a station" on page 17.)
Follow the numbered sequence.



Depress the SQL control (= AUTO).

Adjust the volume with the VOL control.



Keep the MEMORY SCAN key pressed for at least 0.5 second, then release it. The memorized stations will be tuned in continuously in the sequence 13\*\*2\*\*3\*\*\*\*\*3\*\*(1)\*\*\*

MEMORY SCAN



When there is a signal, scanning will stop. If the signal disappears, scanning begins again.

To stop scanning, press the MEMORY SCAN key again.

To start scanning again when memory scanning has automatically stopped, keep the MEMORY SCAN key pressed for at least 0.5 second and release it.

Each time you press the MEMORY SCAN key momentarily, a memorized station is tuned in.

Using the program function, you can change the sequence of memory scanning. (See page 20)

If stations cannot be tuned in by scan tuning with the SQL control set to = AUTO, press the SQL control again (# MANUAL) and

adjust the control. (See page 15.)

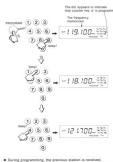
### PROGRAM FUNCTION

The program function is used to change the sequent scanning or scan only certain keys.

#### How to activate the program function Memorize frequencies to all counter keys.

Follow the numbered sequence.

1 While pressing the PROGRAM key, press the counter keys in the desired sequence.



. You can program the counter keys in any desired sequence of up to 10 scanning points, including programming the same cour key more than once.

Press the MEMORY SCAN key to start memory scanning To scan stations ®, ② and ④

SCAN

Example of programming To tune in a certain st

of programmed scanning is factory set as follows



· Since only 10 keys can be programmed, even if the eleventh key

is pressed, it is not programmed.

. The program function can be activated and cancelled while another station is being received.

To cancel the program function Press the PROGRAM key again. The PROGRAM indication in the

display disappears. In this case, the sequence of memory scanning reverts to 1 - 2 - 3 - - + () -- .

### AIR/PSB reception PRIORITY FUNCTION

If you are particularly interested in listening to a certain station, designate it as the priority station.

The set automatically tunes to the station every 3 seconds to check whether there is a signal or not, even while another station is being

To designate the priority station Memorize frequencies to all counter keys.

While pressing the PRIORITY key, press the counter key to which

the desired frequency is memorized. If more than two counter keys are pressed, the last key pressed designates the priority station. Blinks to indicate

function is activated at (5) The frequency of

. The PRIORITY indication appears in the display. A beep sounds and the corresponding dot blinks.

· When the priority station is tuned in every 3 seconds, the station being received will be interrupted for a fraction of a second.

To cancel the priority station Press the PRIORITY key again. The PRIORITY indication and the

dot in the display disappear. . The priority function can be activated and cancelled while another station is being received.

### **DELAY FUNCTION**

Using the delay function, the station being received will be kent tuned in during memory scanning after the signal stops for approx. 2 seconds, i.e. during the interval between communications. The delay function is activated on all counter keys at the factory.

To cancel the delay function

While pressing the DELAY key, press the counter key on which the delay function is to be cancelled.



The corresponding small dot in the display disappears.

To activate the delay function again While pressing the DELAY key, press the counter key on which you want the delay function to activate. The small dot in the display ap-

pears . The delay function can be activated and cancelled while another station is being received. . Using the delay and priority functions simultaneously, you can

receive a station continuously.

### EXTERNAL ANTENNA CONNECTION

See illustration II on page 5. In a steel-frame building, mountainous areas or at a long distance

from the transmitter, reception may be unsatisfactory with the helical antenna or the built-in ferrite bar antenna. In this case, connect a commercially available external antenna to the ANT connecfor or the AM EXT ANTENNA lack

To detach the helical antenna, while pressing down the connector on the antenna, turn the antenna counterclockwise, then pull it out. See illustration [J] on page 5. Notes

. The use of a suitable lightning arrestor is recommended if the antenna extends out-of-doors. · Locate an outdoor antenna as far away from the street as possible.

For further details, see the instruction manual for the antenna.

RECORDING A BROADCAST

See illustration [K] on page 5. Tune in the desired station and adjust the volume to non

listening level. Connect the @ jack on the receiver to the microphone input jack on a recorder using the optional RK-64A connecting cord. Set the recorder in recording mode. The sound to be recorded cannot be heard from the speaker.

### SPECIFICATIONS

Circuit system

AIR/PSB/AM: Dual conversion superheterodyne FM: Superheterodyne

Band		Frequency range	Tuning interval		
PSB (type 1 and 2 models)				144-174 MHz	5kHz
AIR		108-136 MHz	25 kHz		
FM (type 1 and 3 models)		76-108 MHz	50 kHz		
FM (type 2 and 4 models)		87.6 - 108 MHz	50 kHz		
АМ	sw	1603-2194 kHz (1601-2194 kHz)*	1kHz		
	MW	531 - 1602 kHz (530 - 1600 kHz)*	9kHz (10kHz)		
	LW	150-530kHz (150-529kHz)*	1 kHz		

\* Frequency range with the MW tuning interval (9kHz/10kHz selector) set to 10kHz.

Intennas AIRIPSBIFM: Helical antenna MWILWISW: Built-in ferrite bar antenna External antenna jack AIRIPSBIFM: BNC connector AM (LWIMWISW): minijack

AM (LWIMWSW): minijack
Approx. 7×3.5cm
fower output 400mW (at 10% harmonic distortion)
Jugot Earphone jack (minijack)

Four IEC designation R6 batteries (size AA)
(for radiocomputer back-up)
BP23 rechargeable battery pack (optional)
DC IN 6V Jack accepts:
Appropriate ac power adaptor listed on page 10

for use on house current DCC-127A or DCC-120 care battery cord (optional) for use with 12V car battery DCC-240 car battery cord (optional) for use with 24V car battery

24 V car battery
EBP6 battery case (optional) using four IEC
designation R14 batteries (size C)
Battery life Approx. 9 hours for air band, PSB and AM recep-

tion
Approx. 10 hours for FM reception
When listening for four hours a day at normal
volume, using Sony SUM-SNS) New Super

volume, using Sony SUM-SINS) New Superbatteries
mensions Aprrox. 90 × 179 × 50 mm (wih/d)
(3% × 7% × 2 inches)
including projecting parts and controls, not

Weight Approx. 600 g

Including the helical antenna

Weight Approx. 600 g

Including batteries, shoulder strap and the helical

antenna
Accessories supplied Helical antenna (1)
Battery holder (1)

Shoulder strap (1, see illustration (L) on page 5.)

Design and specifications subject to change without notice.

Optional accessories
AC power adaptor See the list on page 10.

Rechargeable battery pack 8P-23
Car battery cord DCC-127A, DCC-120, DCC-240
Connecting cord RK-68A, RICK-64A
LWIMWINSW wide range antenna AN-1

Connecting Connecting

### TROUBLESHOOTING GUIDE

Should any problem occur with the set, make the following simple tests to determine whether or not servicing is required. If the problem persists after you have made these tests, consult the nearest Sony dealer for further information.

No sound is heard.

The VOL control is turned down completely.

The SQL control is turned too far clockwise (towards MAX).
 The earphone is plugged in.

The earphone is plugged in.
 Incorrect polarity of batteries. See page 3.

## Memory scanning does not begin, although the MEMORY SCAN key is pressed.

The SQL control is turned too far counterclockwise.

Turn the SQL control slowly clockwise. See page 15.

The program function is activated and only one station is pro-

The program function is activated and only one station is programmed. → Press the PROGRAM key to cancel the program function, or program two or more stations. See page 20.

Memory scanning does not stop.

• Signals are weak or the SQL control is set to MAX.

-- Turn the SQL control slowly counterclockwise (towards MIN). See page 15.

The power is not turned on even if you depress the POWER switch (... ON).

• Weak batteries.

Incorrect polarity of batteries. See page 3.

Display is dim.

• Weak batteries. → Replace all the batteries with new ones.

• The set is being used in extremely high temperatures or in a place with excessive moisture.

are weak or intermeted sound or unsatisfactory recentless

Very weak or interrupted sound, or unsatisfactory reception.

■ Weak batteries.

■ Tuning or antenna adjustment is not correct. → Tune in corre

ly. For antenna adjustment, see page 12.

• Weak signal. — In a vehicle or in a building, listen near a window.

A frequency cannot be input in direct tuning.

• After the DIRECT key or the counter key was pressed, the next key was not pressed within 5 seconds.

A frequency cannot be memorized.

• The memorizing procedure is incorrect. → To input a frequent while pressing the ENTER key, press one of the counter keys.

A memorized station cannot be received with memory tuning.

• The incorrect counter key is pressed.

The incorrect counter key is pressed.
 The memorized station was erased because no batteries were installed for more than 3 minutes. — Memorize the station again.