

assist adults in child supervision. Do not use it for medical monitoring of a sick baby or child.

Nursery Monitor

Operating Instructions



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.

* The graphical symbols are on the AC power adaptor enclosure on the transmitter.

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

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, the user is 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.

Before You Begin

Thank you for choosing the Sony Nursery Monitor! Before operating the Nursery Monitor, please read these instructions thoroughly and retain them for future reference.

Features

- 3 channels for maximized reception
- Voice Activation eliminates most background noise for a more peaceful sleep
- 3 LED indicators for Range, Sound and Power/Battery

Precautions

Safety Precautions

- Operate the transmitter only on 120 V AC, 60 Hz, and the receiver on 9 V DC. To operate the receiver on house current, use only the supplied AC adaptor; do not use any other type.
- Should anything fall into the unit, disconnect the unit from the wall outlet or remove the battery, and have it checked by qualified personnel before operating it any further.
- If you are not going to use the system for a long time:
 - Disconnect the unit from the wall outlet, pulling it out by the plug.
 - Take the battery out of the receiver to avoid damage from battery leakage.

If you have any question or problem concerning your system, please consult your Sony dealer.

- The transmitter detects normal sound levels within a range of 2 to 3 meters (6 to 10 feet) from a child. If the child moves outside of this range, it may not be able to detect sounds from him or her.
- It is essential that you check the operating range and condition of Nursery Monitor on the initial installation, and on a regular basis after that.
- Stay close to the receiver in order to hear normal sounds from it. Check the volume regularly to ensure that it is set high enough.
- Replace the battery in the receiver or operate it on house current as soon as the power light begins to dim.
- Be sure to place the transmitter out of the child's reach. Do not place the transmitter inside a crib or playpen.
- The receiver can be affected by other devices or near your home that may interfere with the signals sent by the transmitter. Such interference can be caused by TV sets, cordless phones, vacuum cleaners, car ignitions, and other electrical devices. You should test the receiver when you expect such devices to be in operation while you are using Nursery Monitor.
- The signal from this transmitter can be received by another receiver, as it uses a public air wave.

Troubleshooting

- No sound (even with both units turned on)**
- Power cord or AC power adaptor disconnected from the wall outlet.
 - Battery exhausted.
 - Receiver too far from the transmitter.
 - CH selectors of both units not on the same setting.
- Too much noise**
- Battery weak.
 - Receiver too far from the transmitter.
 - Interference from another electric appliance. Turn off the appliance, or move it further from the receiver.
- Weak reception**
- Receiver too far from the transmitter.
- MONITOR indicator not lit**
- Battery weak.
 - Receiver too far from the transmitter.
- Buzzing, Interference**
- Another transmitter interfering.
 - Set the CH selector of both units to another position.
- Shrill noise**
- Receiver too close to the transmitter.
 - Volume too high.
- Alarm continues to sound although the distance between the transmitter and the receiver becomes within operating range**
- OFF-ON switch on the transmitter is not set to ON.
 - Frequency channels (CH) of both units are not on the same setting.

Specifications

Operating frequency	A ch: 49.830 MHz B ch: 49.860 MHz C ch: 49.890 MHz
Modulation system	FM
Transmitter	
Circuitry	Crystal controlled circuit
Power requirement	120 V AC, 60 Hz
Power consumption	2 W
Dimensions	106 x 107 x 48 mm (4 1/4" x 4 1/4" x 1 7/8 inches) (incl. projecting parts, not incl. antenna)
Mass	Approx. 255 g (9 oz)
Receiver	
Circuitry	Single superheterodyne
Power requirement	9 V DC (6F22 battery, not supplied, alkaline recommended) AC power adaptor (DC IN 9V jack): 120 V AC, 60 Hz
Intermediate frequency	455 kHz
Audio power output	300 mW
Speaker	57 mm dia., 8 ohms
Dimensions	96 x 96 x 41.5 mm (3 7/8" x 3 7/8" x 1 1/4 inches) (incl. projecting parts, not incl. antenna)
Mass	Approx. 160 g (5.7 oz) (incl. battery)
Accessory supplied	AC power adaptor (1)

Design and specifications are subject to change without notice.

NTM-30

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Sony online <http://www.world.sony.com/>

SONY Type Cassette Player/Recorder/CD Player/Mini Disc
Cassette/Hi-Fi Head Phone/Speakers/IC Personal

LIMITED WARRANTY (Portable Audio)

Sony Electronics Inc. ("Sony") warrants this Product (including any accessories) against defects in material or workmanship as follows:

- For a period of one (1) year from the date of purchase, Sony will repair or replace, at its option, if no charge through your Sony authorized dealer, Sony owned Service Center or the Sony Parts Center Exchange Department, the defective unit. After this one (1) year period, you must pay for the replacement unit. This warranty does not cover costs incurred in connection with the removal and re-installation of radios, speakers or accessories, nor does it cover any other component expenses.
- To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Sony service facility. This warranty does not cover customer instruction, installation, set up adjustments or signal reception problems.

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product, including the antenna. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Sony to service the Product. This warranty does not cover Products sold AS IS or WITH ALL FAULTS, or consumables such as tapes or batteries. This warranty is valid only in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

This warranty is voided if the factory applied serial number has been altered or removed from the Product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

The address of the Sony Parts Center - Exchange Department is:

Sony Parts Center - Exchange Department
8281 166th Terrace
Kenosha City, Wisconsin 53143

For your convenience, Sony Electronics Inc. has established telephone numbers for frequently asked questions.

To locate the service or dealer nearest you, or for service assistance or resolution of a service problem, or for product information or operation, call:

Sony Direct Response Center
1-800-222-7888
or write to:
Sony Direct Response Center
12451 Gateway Blvd.
Fort Myers, FL 33813

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7866)

FCC ID: A15N11130
Model: NTM-30

For medical monitoring of a sick baby or child.

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MONITOR indicator not lit
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Buzzing, interference
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Mass	Approx. 160 g (5.7 oz) (incl. battery)
Accessory supplied	AC power adaptor (1)

Design and specifications are subject to change without notice.

For your protection, please read these safety instructions completely before operating the appliance, and keep this manual for future reference. Carefully observe all warnings, precautions and instructions on the appliance and described in the operating instructions supplied with the appliance by Sony.

INSTALLATION

Water and Moisture

Do not install the appliance near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Heat

Do not install the appliance near sources of heat such as radiators, heat registers, stoves, or other appliances that produce heat.

Ventilation

Slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable and safe operation of the appliance, and to protect it from overheating, these slots and openings must never be blocked or covered.

Do not place the appliance on a bed, sofa, rug or other similar surface which may block the slots and openings.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.

Carts and Stands

Do not install the appliance on an unstable table, shelf, cart or stand. Use only a cart or stand recommended by Sony.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Wall or Ceiling Mounting

If your appliance can be mounted to a wall or ceiling, mount it only as recommended by Sony.

USE

Power Source

Connect the appliance to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization

Do not defeat the grounding or polarization feature of the AC power cord. If your AC receptacle will not accept the power cord plug, contact your electrician to install a proper AC receptacle.

AC Receptacle

Check to make sure that the AC receptacle holds the power cord plug firmly and securely. If the power cord plug is loose, contact your electrician to replace the defective and unsafe AC receptacle.

Power-Cord Protection

Route the power cord so that it is not likely to be walked on or pinched by having objects placed on it, paying particular attention to the plugs, receptacles, and the point where the cord exits from the appliance.

When not in use

Unplug the power cord of the appliance from the outlet when left unused for a long period of time.

To disconnect the cord, pull it out by grasping the plug. Never pull the plug out by the cord.

Foreign Objects

Be careful that foreign objects and liquids do not enter the enclosure through openings.

Cleaning

Clean the appliance only as recommended by Sony.

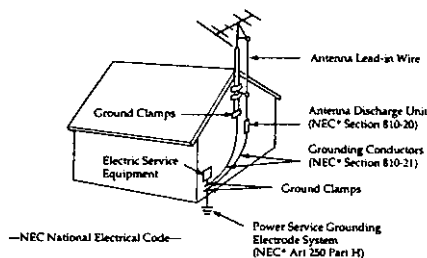
ANTENNAS

Outdoor Antenna Grounding

If an outdoor antenna or cable system is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits. WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Grounding According to the National Electrical Code

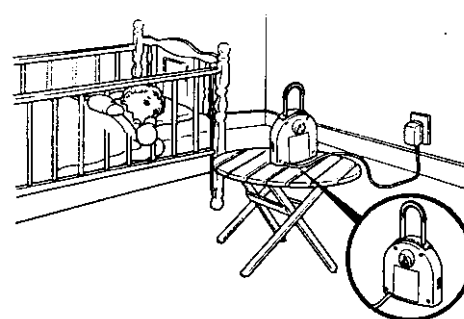
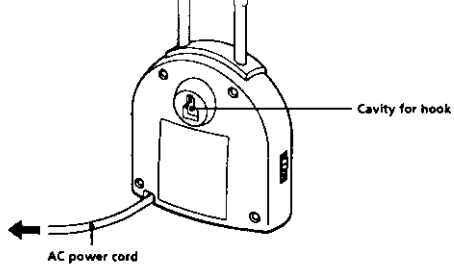


SERVICE

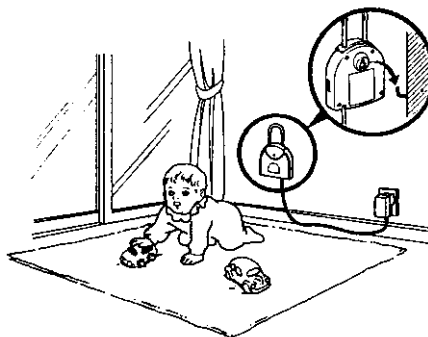
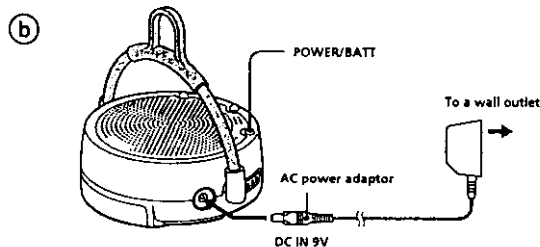
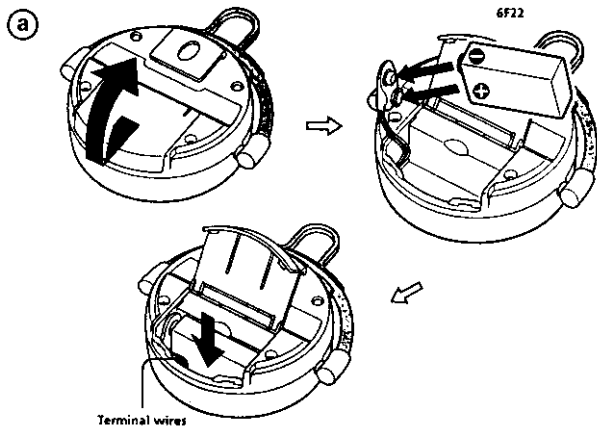
Unplug the appliance from the wall outlet and consult qualified service personnel when:

- the power cord or the plug has been damaged.
- a solid object or liquid has fallen into the cabinet.
- the appliance has been exposed to rain or moisture.
- the appliance does not appear to operate normally or exhibits a marked change in performance.
- the appliance has been dropped, or the enclosure damaged.

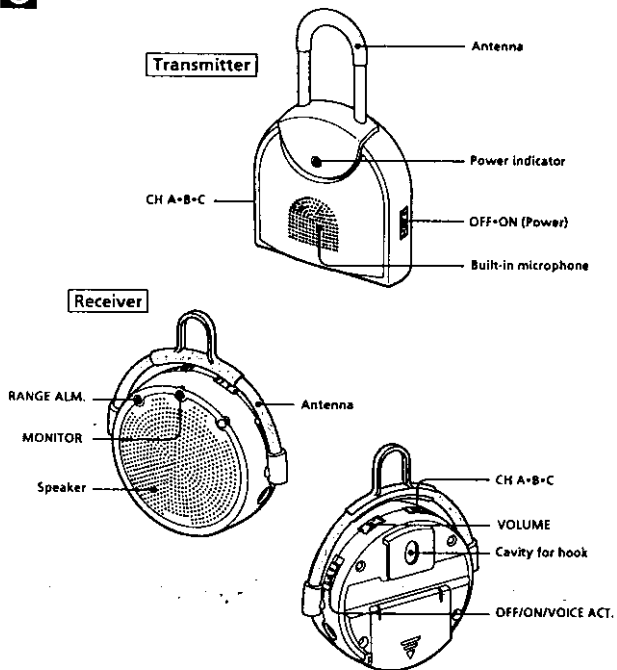
Do not attempt to service the appliance beyond that described in the operating instructions. For all other servicing refer to qualified service personnel only.



B



C



Power Sources

Transmitter (See Fig. B)

Connect the AC power cord to a wall outlet.

Receiver

To operate on battery (See Fig. B-1)

Insert one 6F22 battery (not supplied, alkaline recommended).

Make sure the terminal wires are positioned as shown in the illustrations before closing the battery compartment lid.

Battery life

Approx. 28 hours.

When to replace the battery

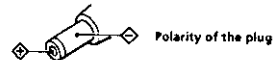
If the POWER/BATT indicator becomes faint or does not light up at all when you turn on the unit, replace the battery with a new one.

To operate on house current (See Fig. B-2)

Connect the supplied AC power adaptor to the DC IN 9V jack of the receiver, and to a wall outlet. The POWER/BATT indicator will light up even when the unit is operating on house current.

Note

Use only the supplied AC power adaptor. Do not use any other AC power adaptor.



Monitoring Baby's Sounds (See Fig. C)

Setting the Transmitter

Choose a place within 2 to 3 meters (6 to 10 feet) from a crib or play area but out of the baby's reach, and turn the antenna so that it is perpendicular to the floor. The transmitter must be placed upright when in use.

Note

Position the transmitter with its front (where the built-in microphone is located) facing the baby.

Monitoring through the Receiver

The farthest distance you can place the receiver from the transmitter varies according to obstructions and other conditions. First, test the operating range, with the assistance of another adult, or by placing a radio, etc., near the transmitter. If you move outside the effective operating range of the units, the RANGE ALM. indicator lights up and the buzzer sounds. In such a case, move closer toward the transmitter until the indicator and the buzzer go off.

To adjust the volume

The volume of the sounds you receive varies depending on the distance, obstructions, etc. Set VOLUME to between 4 and 6 initially. If the volume is too low, turn it towards 10. If the sound is too loud or there is an accompanying shrill noise, turn it towards 0.

The VOICE ACT. function, when activated, will cut out the transmission of faint sounds.

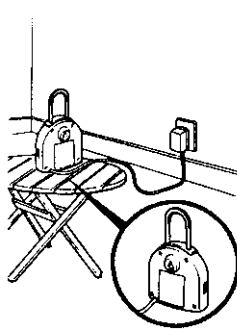
The MONITOR indicator will blink while receiving sound from the transmitter.

If Signal Interference Occurs

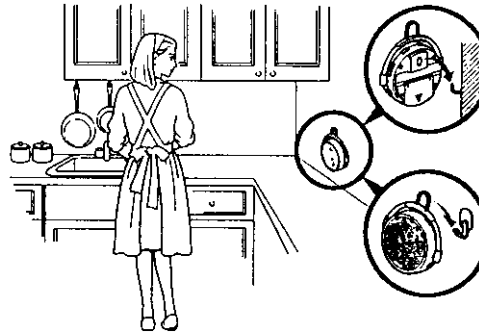
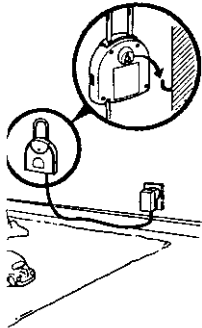
Switch the CH selector to another frequency channel on both the transmitter and the receiver. Make sure that both the selectors are on the same setting.

Notes

- The MONITOR indicator blinks only when the receiver receives a loud sound signal from the transmitter. If the sound is not loud enough, or when it is too far from the transmitter, the indicator does not blink. If the sound is too brief, the indicator may blink only once.
- Avoid placing the units near heat sources or where they are subject to direct sunlight, excessive dust, moisture, or mechanical shock.
- Be careful not to drop the receiver in water, or drop any liquid over it.
- Do not use the antenna as a carrying handle.



(b)



Monitoring Baby's Sounds (See Fig. ①)

Setting the Transmitter

Choose a place within 2 to 3 meters (6 to 10 feet) from a crib or play area but out of the baby's reach, and turn the antenna so that it is perpendicular to the floor. The transmitter must be placed upright when in use.

Note

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- Be careful not to drop the receiver in water, or drop any liquid over it.
- Do not use the antenna as a carrying handle.

Tips for Better Reception

On placement

Transmitter (See Fig. ①-②)

- Place the unit in as high a location as is practical.
- Make sure that the unit is not covered or obstructed from picking up sound.

Receiver (See Fig. ③-④)

- Keep the unit upright. Turn it horizontally to locate the best reception.

Both transmitter and receiver

- Make sure that nothing touches the antenna of both units during operation.