



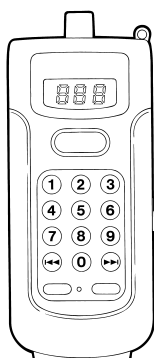
AUDIO GUIDANCE SYSTEM

System Products:

XA-GP1BK Portable ROM Player

XA-GT1TN Infrared Address Transmitter

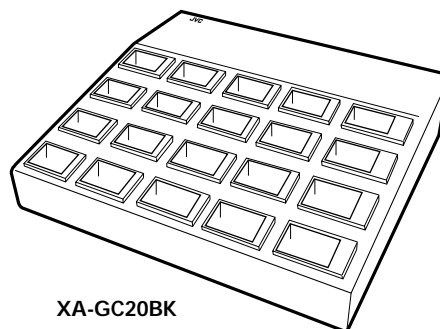
XA-GC20BK Charger



XA-GP1BK



XA-GT1TN



XA-GC20BK



INSTRUCTIONS

For Customer Use:

Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

Precautions for Safe Use

Precaution Symbols

Various symbols are located in this manual as well as on the products. In order for this product to be used safely and correctly, symbols are provided to prevent any damage to the user, other people, or property. Therefore take the time to understand what the symbols mean before reading this manual.



DANGER

Failure to abide by the warnings that accompany this symbol will result in improper use of this product which may result in death or serious injury. Therefore this symbol and related instructions must be followed at all times.



WARNING

Failure to abide by the warnings that accompany this symbol will result in improper use of this product which may result in death or serious injury.



CAUTION

Failure to abide by the warnings that accompany this symbol will result in improper use of this product which may result in injury or property damage.

Explanation of the Symbol Indications

The symbols that alert you to points of caution.

Symbols that indicate actions that are prohibited

Symbols that advise you to perform a specific action



General Caution



Prohibited



General Instruction



Electric Shock



Disassembling Prohibited



Pull Out the Plug



Do Not Touch



DANGER

- The internal battery pack was made to be used exclusively with the Portable ROM Player XA-GP1BK. Using the battery pack for any use other than indicated may destroy, decrease performance, or shorten the life of the battery. Therefore do not use the batteries for devices for purposes other than indicated.



- The battery recharger was made to be used exclusively with the Portable ROM Player XA-GP1BK. Therefore do not use the battery recharger for anything other than the intended purpose. Using the battery recharger for any use other than indicated may result in a fire hazard or electric shock.



- Only the XA-GC20BK Charger should be used to recharge the battery pack. Using any other recharger than indicated may result in a fire hazard or device malfunctions.



- Use only power supplies with the indicated voltage. Failure to do so may result in a fire hazard or electric shock.

- Failure to observe the following in regard to the battery pack may result in a fire as well as cause overheating and damage to the unit.
 - Do not put in a fire or apply any kind of heat source to the battery pack.
 - Do not place, use, or recharge the battery pack where the temperature is high, such as near a fire or heater.
 - Do not reverse the positive (+) and negative (-) polarity and attempt to use the battery. Also do not carry or store the battery pack with metal objects such as necklaces or hairpins.
 - The positive (+) and negative (-) battery pack terminals should not come in contact with metal objects such as a needle.
 - Do not puncture with a needle, strike with a hammer, or step on the battery pack.
 - Do not attempt to solder, disassemble, or modify this product.



- Do not attempt to modify the battery recharger in any way. Interfering with the internal mechanism in any way may result in a fire hazard or electric shock.



Disassembling Prohibited

WARNINGS

- Stop using the battery pack when there are abnormal signs such as overheating while recharging, or a strange smell when the pack has been stored. Also, the battery pack should not be used when a change in color and shape or any other unusual characteristic appears.



- In the event that liquid from the battery pack enters the eyes, do not rub the eyes, immediately rinse with clean water, and receive medical treatment from a physician as soon as possible. There is the danger that vision could become impaired. Also in the event that the leaked battery liquid comes in contact with the skin or clothes, proceed by immediately rinsing with clean water. The liquid may cause a skin rash.



- When the battery pack that is used in the XA-GP1BK has been removed, make sure to store it in a safe place out of the reach of children. Immediately seek the advice of a medical physician if the battery liquid is consumed.



- Recharge the battery pack at a temperature between 5° - 35° C (41° - 95° F). Do not attempt to recharge the battery pack at a temperature below or above this range. Failure to recharge within this range may result in a decrease in performance, or shorten the life of the battery pack.



- Using the unit when smoke, a strange smell, or an abnormal condition is detected may result in a fire hazard or electric shock. Immediately unplug the power cord from the outlet, confirm that smoke is no longer being produced, and have your dealer check or service the unit. The user attempting to service the unit is extremely dangerous and prohibited.



- Do not use if there is dust or metallic objects attached to the power plug (or power adapter) blades. Failure to clean the plug blades may result in a fire hazard or electric shock.



- Do not modify, force to bend, twist, or pull the power cord. This will damage the cord and may result in a fire hazard or electric shock.



- Do not place heavy objects such as furniture on the power cord and take care not to allow the cord to become covered. Otherwise the power cord may be damaged and cause a fire hazard or electric shock.



- If the cord does become damaged (the internal wires are exposed or the cord is cut), a replacement should be purchased from your dealer. A damaged power cord may result in a fire hazard or electric shock.



- When the unit is dropped or the cover is damaged, unplug the power cord from the power outlet and contact your dealer. Continuing to operate the product under these conditions may result in a fire hazard or electric shock.



- Do not insert metal or combustible objects into the sockets that are present on the unit. Objects inserted into the unit may result in a fire hazard or electric shock.



- Do not attempt to plug in or unplug the power cord with wet hands. Handling the power cord with wet hands may result in electric shock.



- Do not touch the power cord during an electrical storm. Touching the power cord at this time may result in electric shock.



- Take precautions to keep the unit dry and to prevent liquid from entering. In the event that liquid is spilled into the unit, unplug the power cord from the power outlet and contact your dealer. Continuing to operate the product under these conditions may result in a fire hazard or electric shock.



- Use only power supplies with the indicated voltage. Failure to do so may result in a fire hazard or electric shock.



- Do not attempt to modify this product in any way. Interfering with the internal mechanism may result in a fire hazard or electric shock.



Disassembling Prohibited

CAUTIONS

- The power cord should always be unplugged from the outlet by grasping the plug (or power adapter) and never the cord itself. Pulling on the cord itself will cause damage which may result in a fire hazard or electric shock.



- The battery recharger's power cord should be located away from all heat sources. Melting of the cord coating may result in a fire hazard or electric shock.



- Make sure to insert the plug (or power adapter) completely into the power outlet. Failure to plug in the power cord properly could cause a short circuit and produce heat that may lead to a fire hazard or electric shock. Also avoid using multiple connections where many plugs are connected to the same extension cord.



- Do not use a power outlet that does not make a snug connection with the power cord plug (or power adapter). Loose and improper connections will give off heat and may result in a fire hazard. Contact a dealer or a certified electrician to have the defective power outlet replaced.



- Do not place the unit in an excessively moist or dusty environment. Operating the recharger in such an environment may result in a fire hazard or electric shock.



- Avoid placing the unit near a preparation area in kitchens or humidifiers. Exposing the unit to soot, humidity, or dust may result in a fire hazard or electric shock.



- The unit should be installed on a level and stable surface. If the unit is used on an unstable surface, the unit may fall off, or the entire stand and unit may fall over causing bodily harm.



- Confirm that the power cord plug has been removed from the outlet before attempting to move the unit. Moving the unit while plugged-in may damage the power cord and result in a fire hazard or electric shock.



- Do not fold the power adaptor in cloth or bedding or wrap in any way. Covering or wrapping the adaptor will cause heat to build up which may cause the case to change shape and result in a fire hazard. Therefore, always use the adaptor in an area that is well ventilated.

Handling Precautions

■ Handling precautions for the XA-GC20BK Charger

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

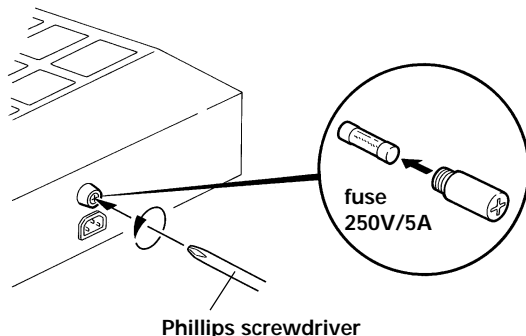
The included power cord comes equipped with a Ferrite core which shields against noise. Do not remove this from the power cord.

■ Install the XA-GC20BK Charger so that the back of the unit is more than 10 cm from a wall or other objects.

Without an appropriate amount of space between the wall and the unit, heat may accumulate and cause a malfunction.

■ Changing the fuse for the XA-GC20BK Charger

The fuse for this product is 250V/5A (Amps).



If the fuse blows soon after replacing, consult with the dealer where the fuse was purchased. Under any circumstances do not use a fuse that is above the indicated amperage of "5A."

■ Handling precautions for the XA-GP1BK Portable ROM Player and the XA-GT1TN Infrared Address Transmitter

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.

■ The XA-GP1BK Portable ROM Player is not waterproof and therefore take the necessary precautions to avoid exposing the unit to water or liquids.

In the event that any kind of liquid is spilled into the unit, turn POWER to OFF and contact your dealer.

■ Using the neck strap

- The XA-GP1BK Portable ROM Player should be worn around the neck and placed in a position that can directly receive signals from the Infrared Address Transmitter. The Auto Play function can not operate properly if the unit is covered under clothing.
- When a child is using the Portable ROM Player, to prevent accidents, replace the neck strap with the hand strap.

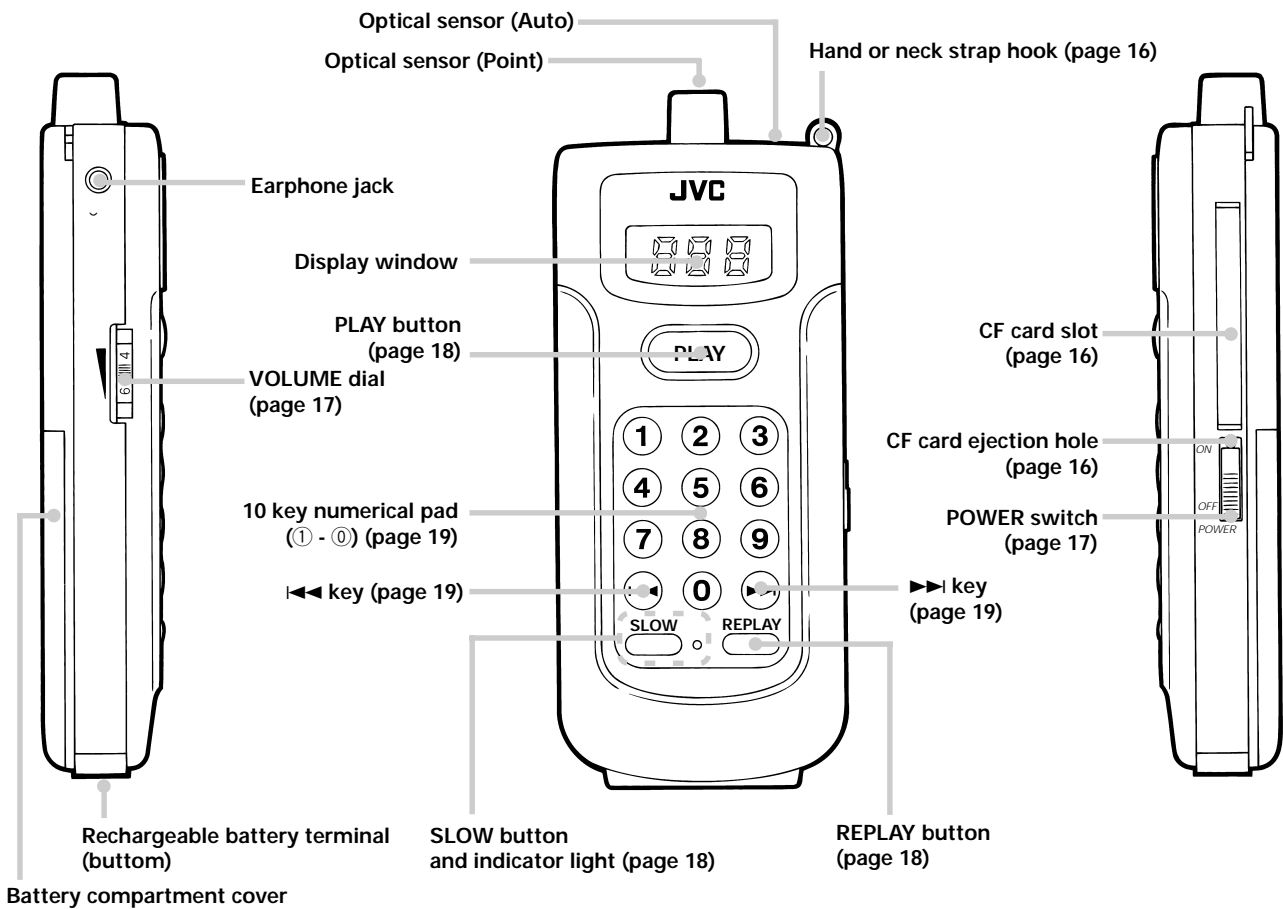
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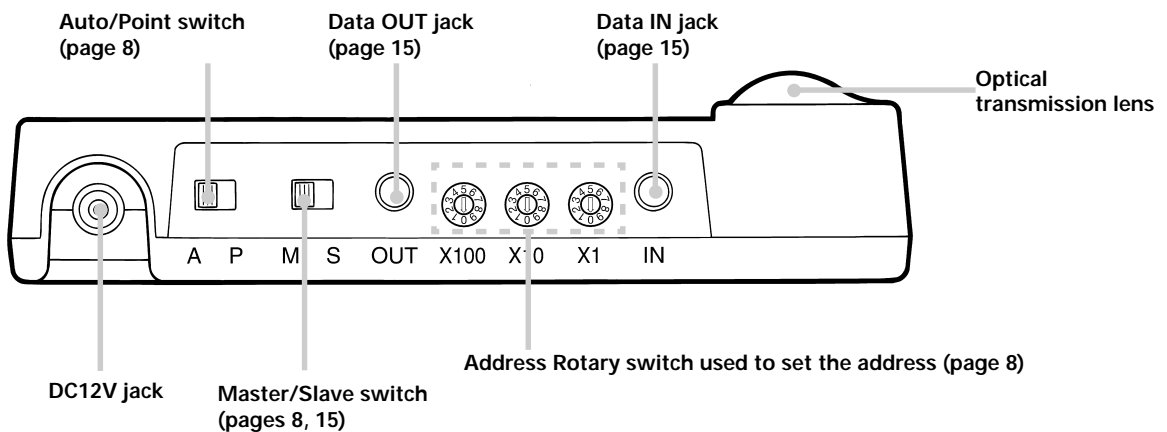
Parts Names and Locations

For an explanation of each part, refer to the page number

■ Portable ROM Player (XA-GP1BK)



■ Infrared Address Transmitter (XA-GT1TN) : Transmitter

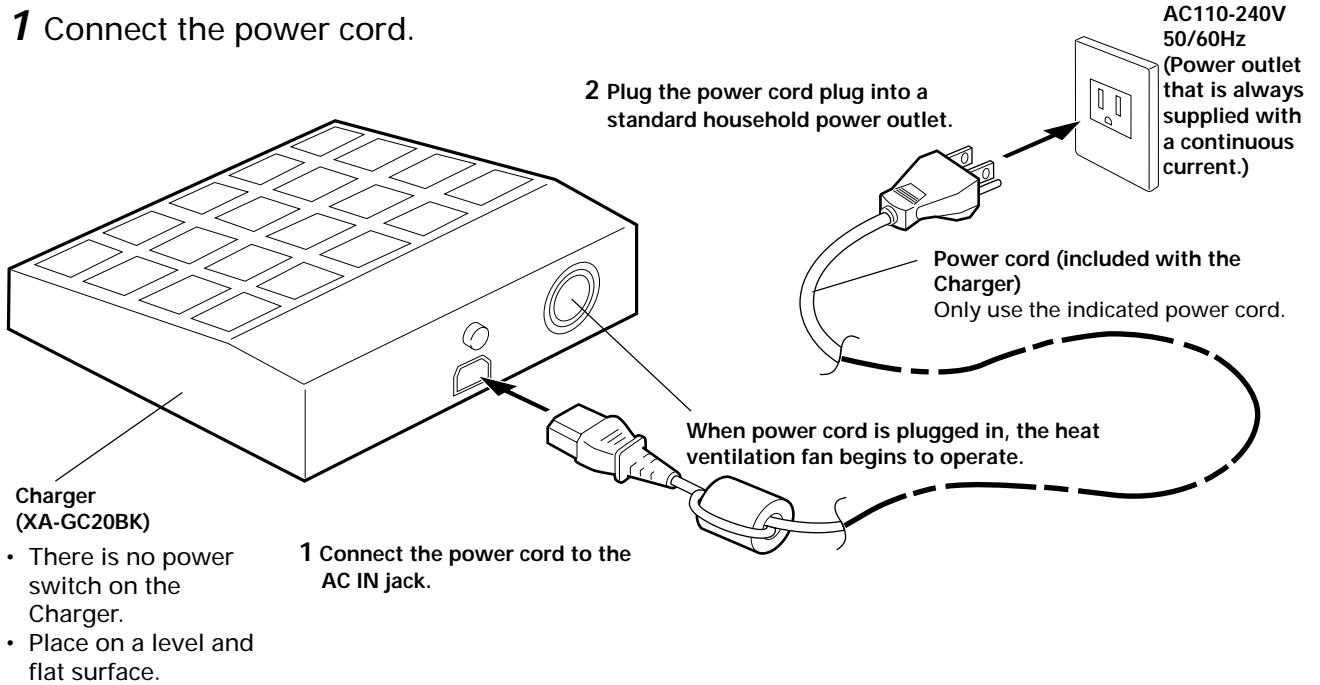


How to Recharge the Portable ROM Player

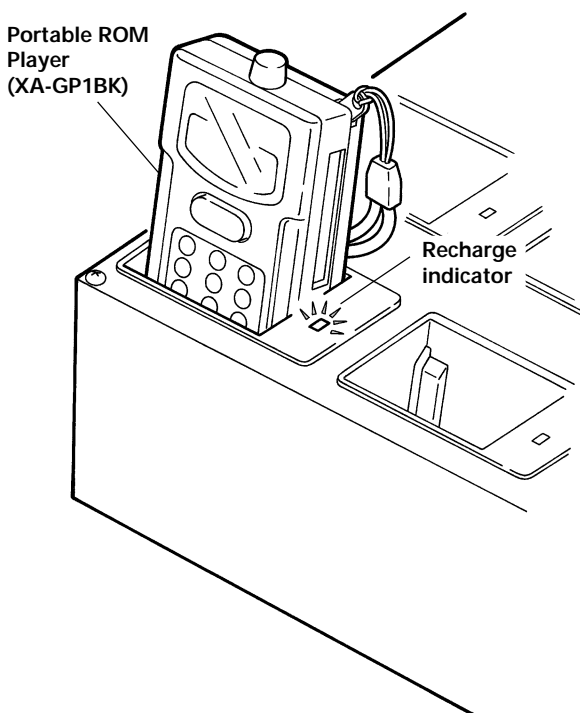
The portable ROM Player operates on a battery pack which contains rechargeable Lithium ion batteries. Batteries should be recharged for more than three hours before use.

How to Recharge the Portable ROM Player

1 Connect the power cord.



2 Insert the Portable ROM Player. The display window should be facing towards you.



- **A maximum of 20 units can be recharged at one time.**

The Portable ROM Player should be recharged with the POWER turned OFF. The amount of time necessary to recharge the batteries becomes slightly longer when the POWER is left ON.

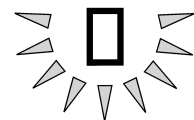
- **About 3 hours is required to fully recharge the batteries.**

Even when the Portable ROM Player is left in the recharger, it is not possible for the batteries to become over charged.

- **Recharge indicator**

The battery level is indicated by the color of the light.

CHARGE



Red : Less than 60% of recharging has taken place.

Green : The batteries are more than 60% recharged. Even when the batteries become completely recharged, the indicator light stays on.

Note

- Take precautions to install the Charger more than 10 cm from a wall or other objects. This assures that the unit can be adequately cooled during operation.

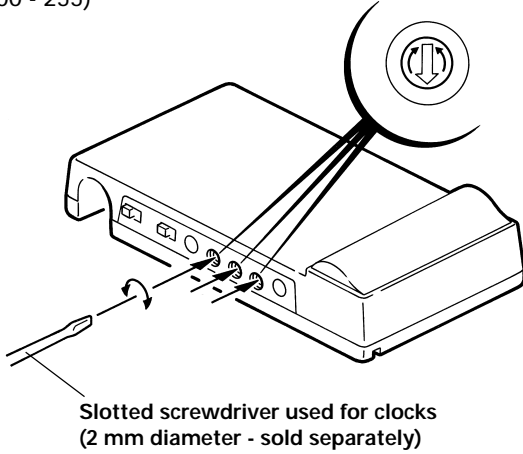
How to Mount the Infrared Address Transmitter (XA-GT1TN)

The Infrared Address Transmitter can be secured to either a cable or a ceiling railing.

Settings for each switch

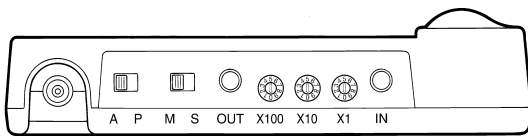
1 Setting the address

- Set the desired address with the rotary switch. (000 - 255)



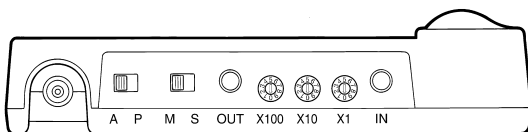
2 Setting the Auto/Point switch

- To enter the Auto Start mode
 -
 - Set the switch to "A" Auto.
- To enter the Pointing mode
 -
 - Set the switch to "P" Point



3 Setting the Master/Slave switch

- The switch is now set to "M" master.

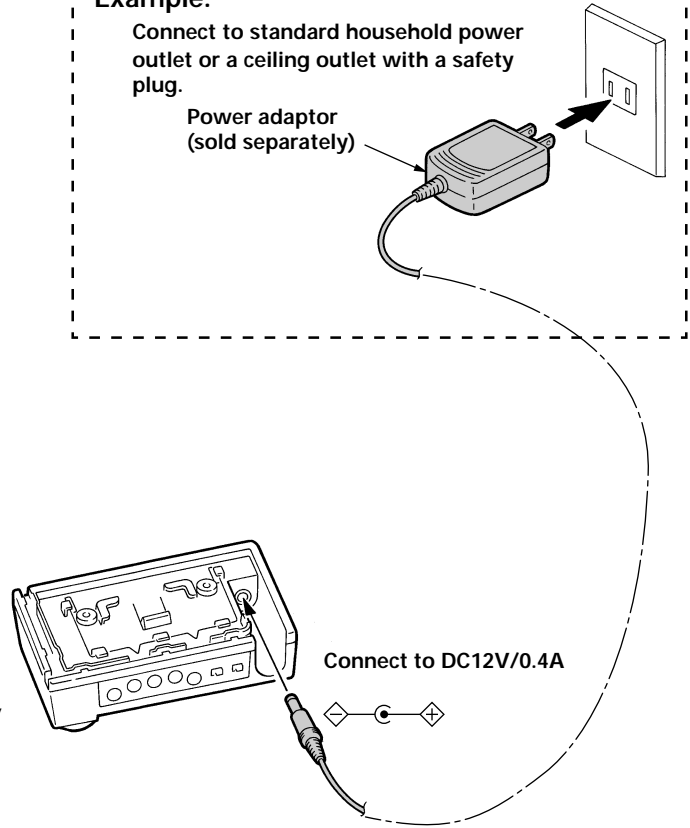


Regarding connections to the power source

Example:

Connect to standard household power outlet or a ceiling outlet with a safety plug.

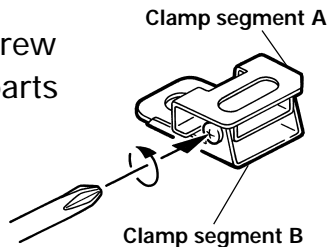
Power adaptor (sold separately)



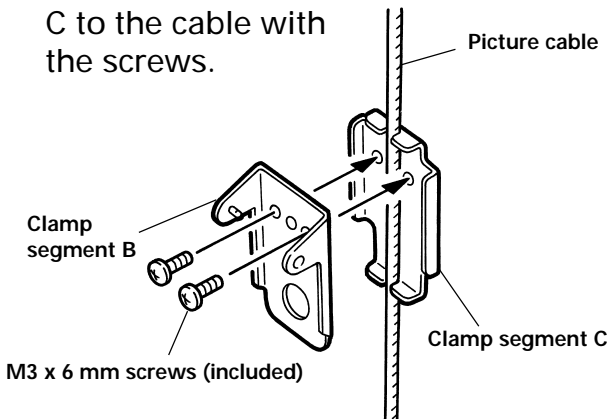
Attaching the Cable Clamps (securing the unit to a cable)

- For more information on mounting a ceiling railing, refer to page 12.

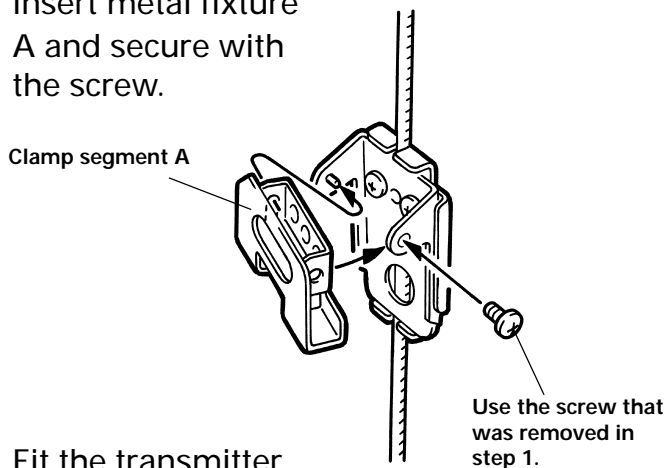
- 1 Remove the screw and separate parts A and B.



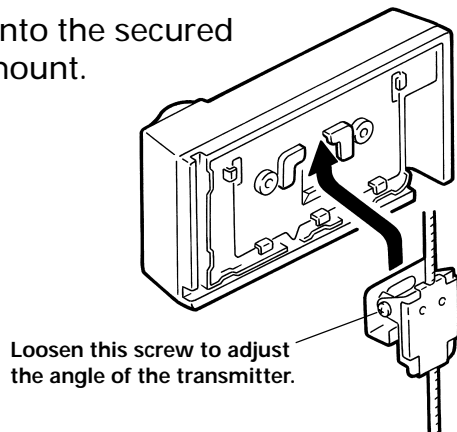
- 2 Secure parts B and C to the cable with the screws.



- 3 Insert metal fixture A and secure with the screw.

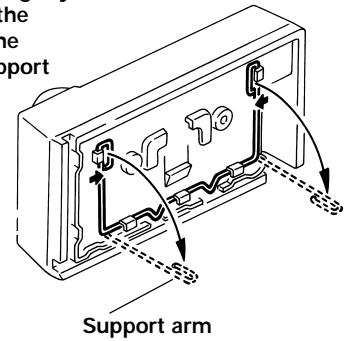


- 4 Fit the transmitter onto the secured mount.

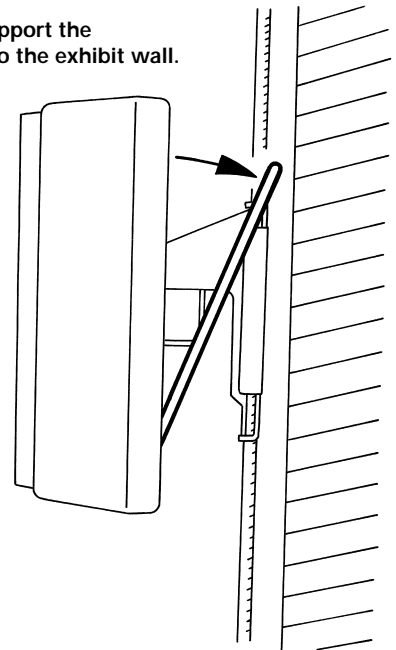


- Use the support arms when a twisted cable causes the transmitter to become unstable.

Push the support arms slightly towards each other (in the direction indicated by the arrows) and pull the support arms out.



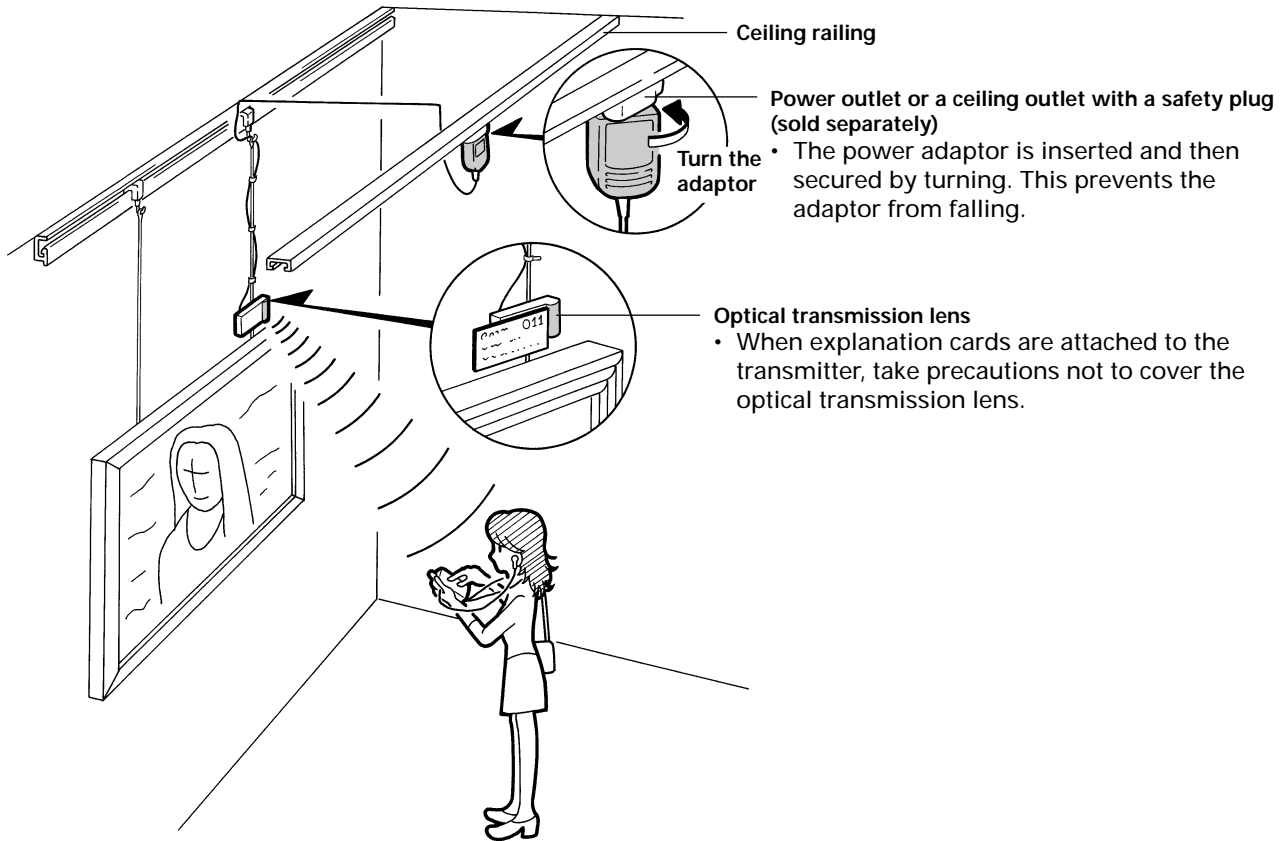
The support arms support the transmitter parallel to the exhibit wall.



How to Mount the Infrared Address Transmitter


(continued from page 9)

An Example of the "Pointing" Method.

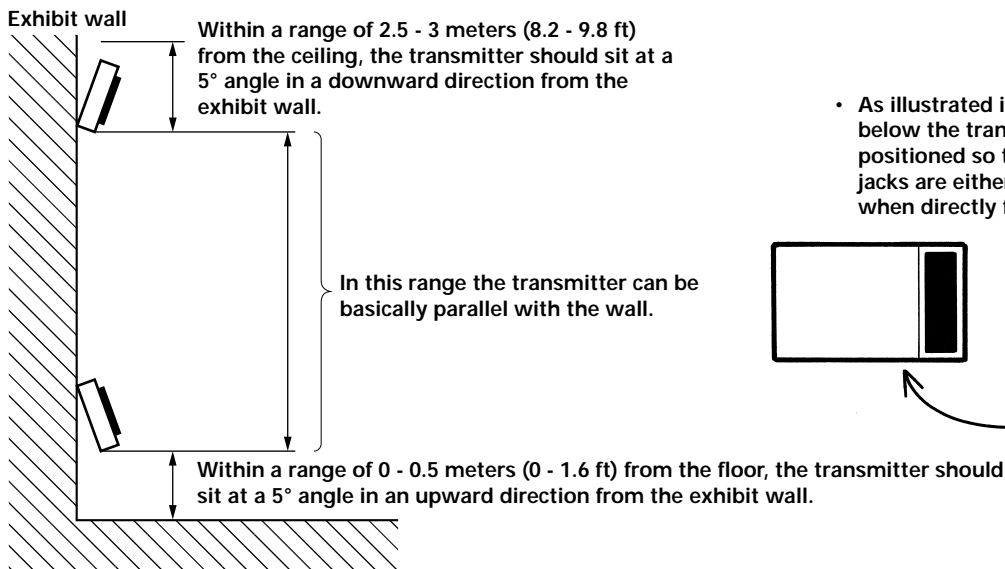


■ Installation position

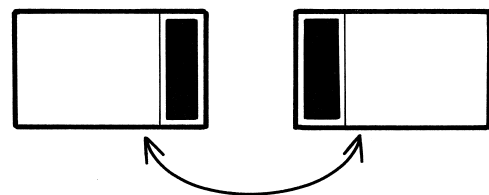
- Position the transmitter close to the picture that will be explained.
- For large size pictures, it is recommended that the visitor be adequately informed as to where the Portable ROM Player should be pointed.

Example : Instructions for the visitor, such as "Please Point the Portable ROM Player at the name of the picture and press " can be printed on a card and placed on the transmitter.

■ Adjusting the Angle of the Transmitter

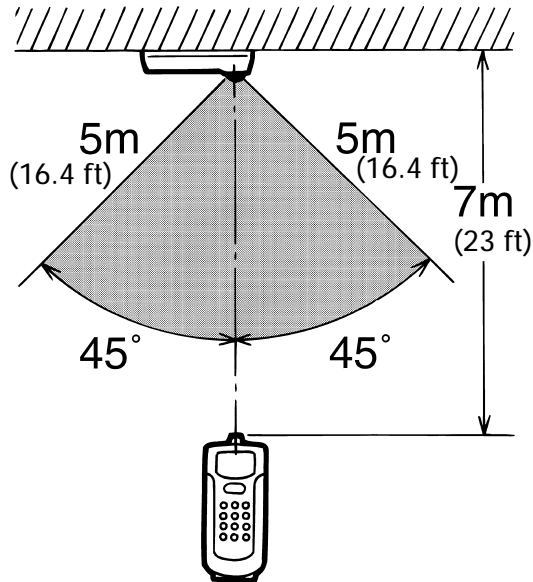


- As illustrated in the diagram below the transmitter should be positioned so the switches and jacks are either up or down when directly facing the unit.



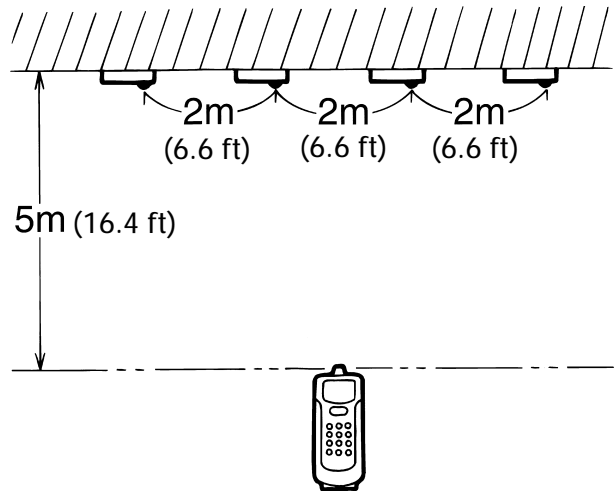
■ Transmission Distance

Directly facing the transmitter at a distance of 7 meters (23 ft) (When installed in a room, the transmitter should not be exposed to direct sunlight.)



■ Selecting a Transmitter

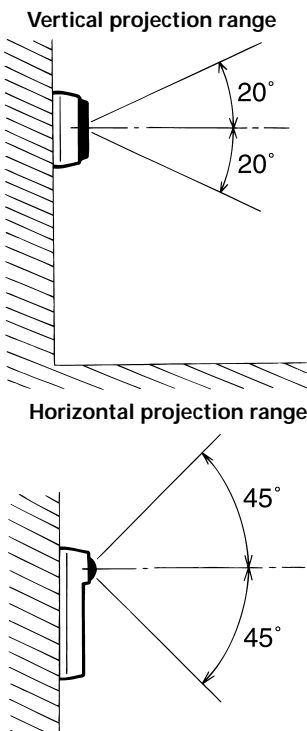
With the transmitters set up with 2 meter (6.6 ft) intervals between them, even at a distance of 5 meters (16.4 ft), a transmitter can be easily selected.



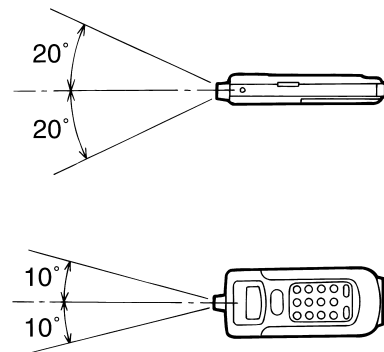
■ Transmission Area

When facing the transmitter, signals are sent within a 45° angle from a central axis. "Play" will be easily activated at a distance of 5 meters (16.4 ft) from the transmitter.

Range characteristics of the transmitter



Optical sensor characteristics for the Portable ROM Player

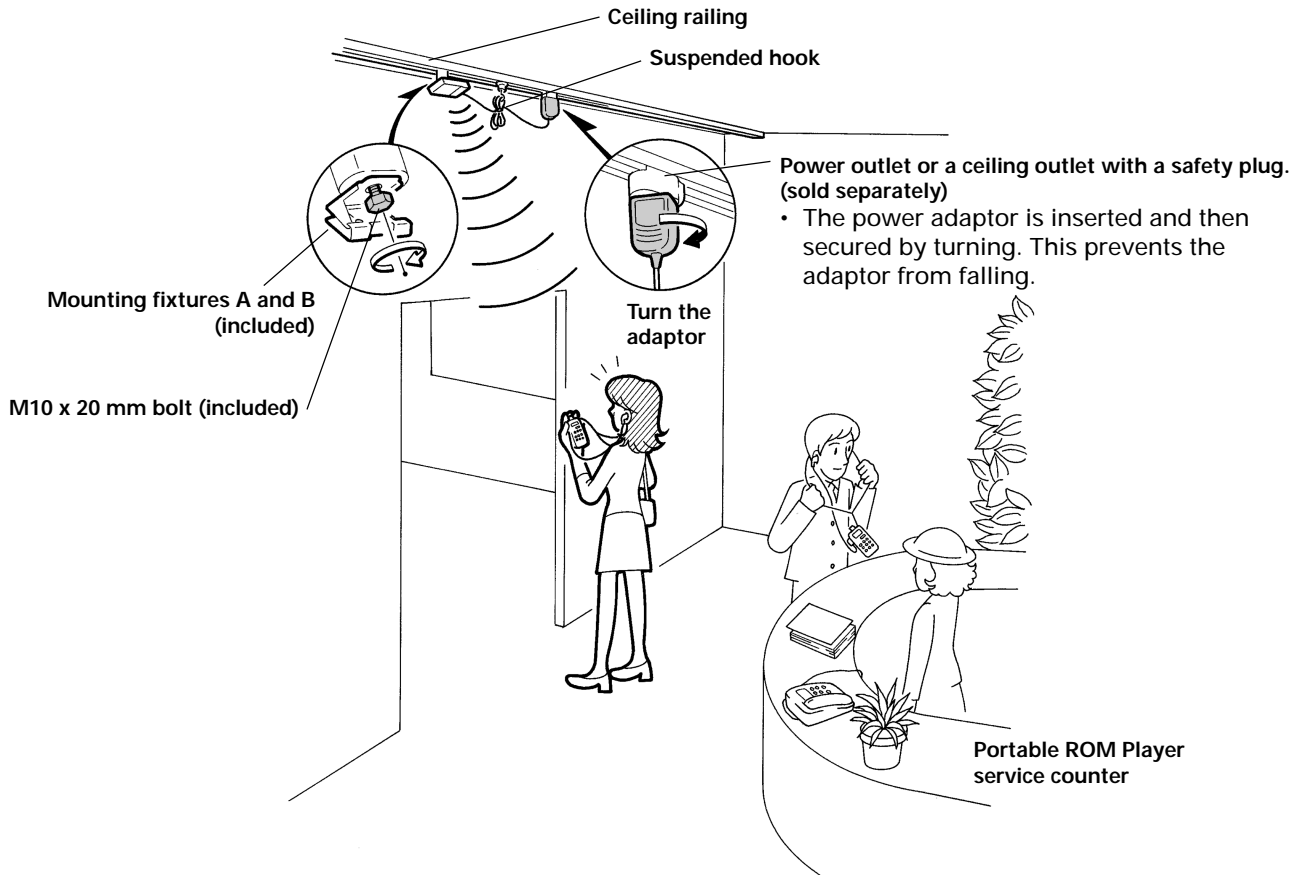


How to Mount the Infrared Address Transmitter

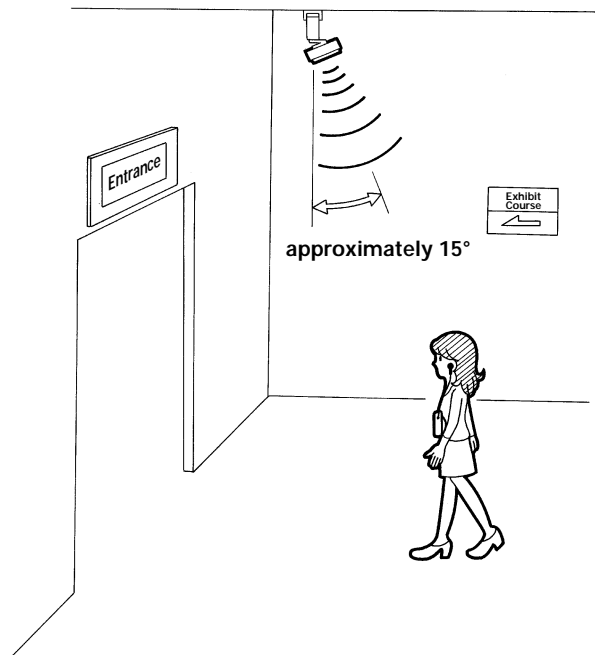
(continued from page 11)

An Example of "Auto Start" Method

- The transmitter should be installed for example at the entrance to the exhibit, in the path of the visitor.



■ Installation position



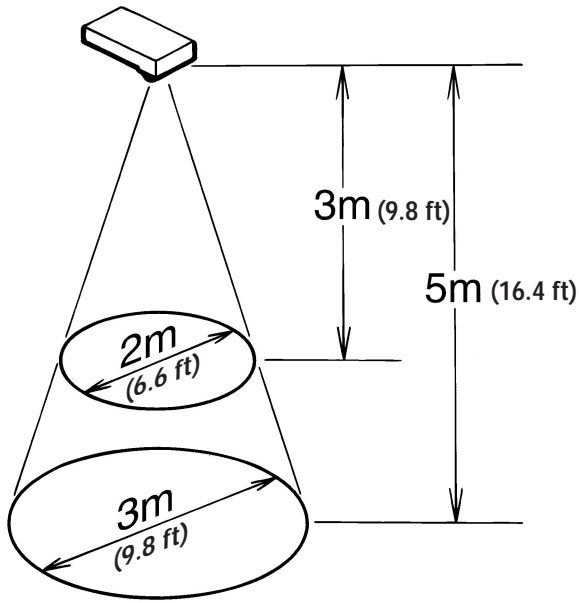
- Install the transmitter in a place where the visitors will pass and will be facing in one direction.
- The transmitter should be positioned along the exhibit course at about a 15° angle in the opposite direction in which the visitors move.

Note

It is possible that under certain conditions, the Auto Start method will fail to operate. Therefore it is not advisable to use this system to inform the visitor of emergency exits or any other life-saving information that is necessary during an emergency.

■ Transmission Distance

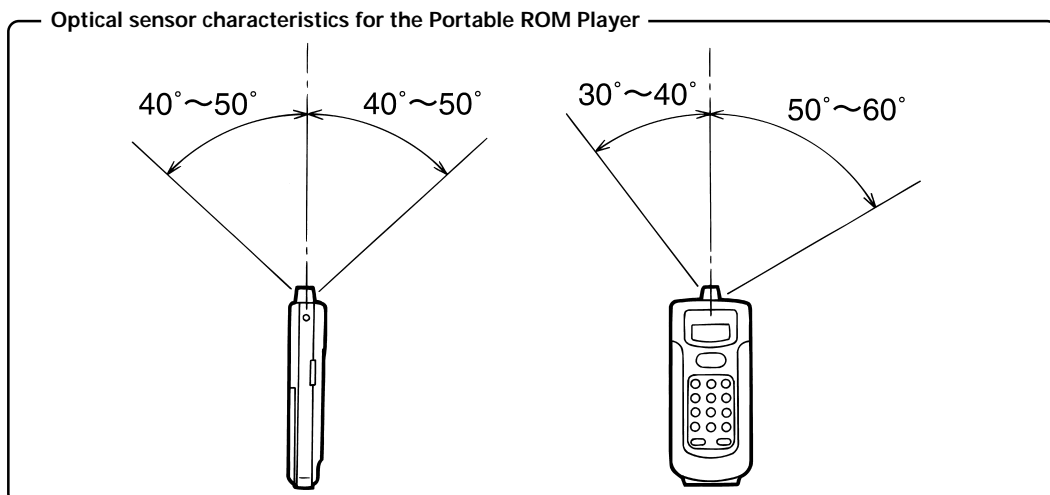
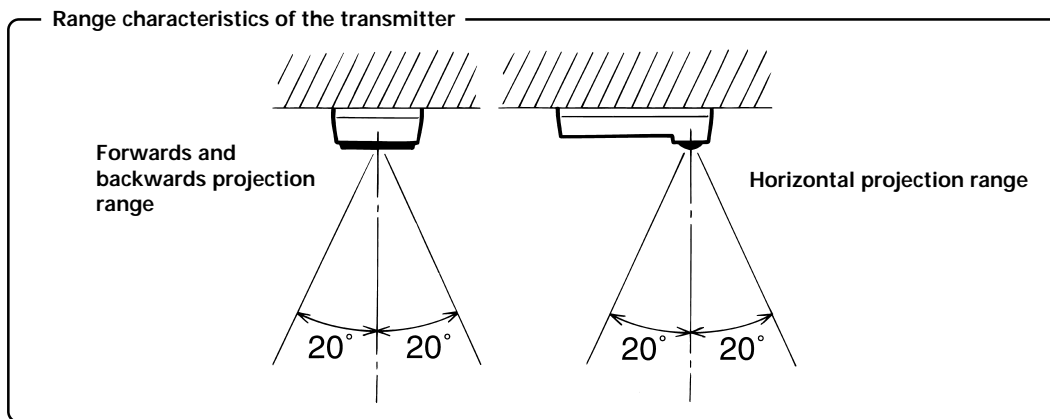
Directly below the transmitter at a distance of 5 meters (16.4 ft) (When installed in a room, the transmitter should not be exposed to direct sunlight.)



Projection area

Note

When an "Auto" signal is received during "Point" playback, the Portable ROM Player will automatically switch to the "Auto" playback. For this reason, provide as much space as possible between the Point and Auto transmitters.



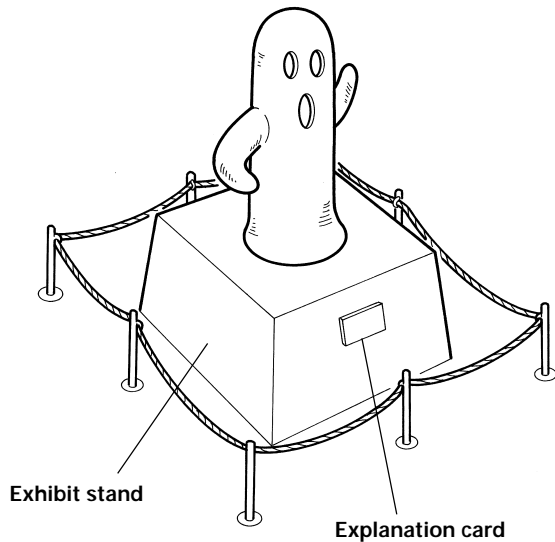
How to Mount the Infrared Address Transmitter

(continued from page 13)

When transmitting the same address data to a larger area, multiple XA-GT1TN can be connected to operate together.

Connecting Multiple Infrared Address Transmitters

- An example of the "Pointing Method"

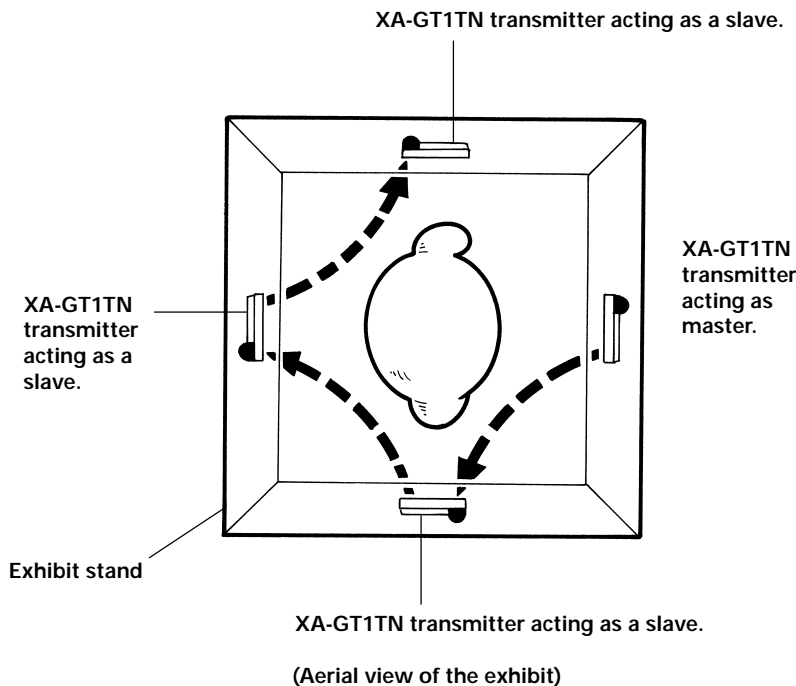


- When displaying a three-dimensional exhibit and a wider area needs to be covered by the Audio Guidance System, multiple XA-GT1TN Infrared Address Transmitters can be connected to operate together. To accomplish this setup, one transmitter is set as the "master" and the other transmitters are set as "slaves." All of the address data that is set for the master will be transmitted from all of the slaves as well.
- As seen in the exhibit illustrated in the diagram, only one visitor facing the work of art can receive the playback information. However, by connecting four XA-GT1TN transmitters in a master/slave relationship, the visitor can listen to the playback at different points surrounding the exhibit.
- Each transmitter's Auto/Point switch, should be set to "P" point.

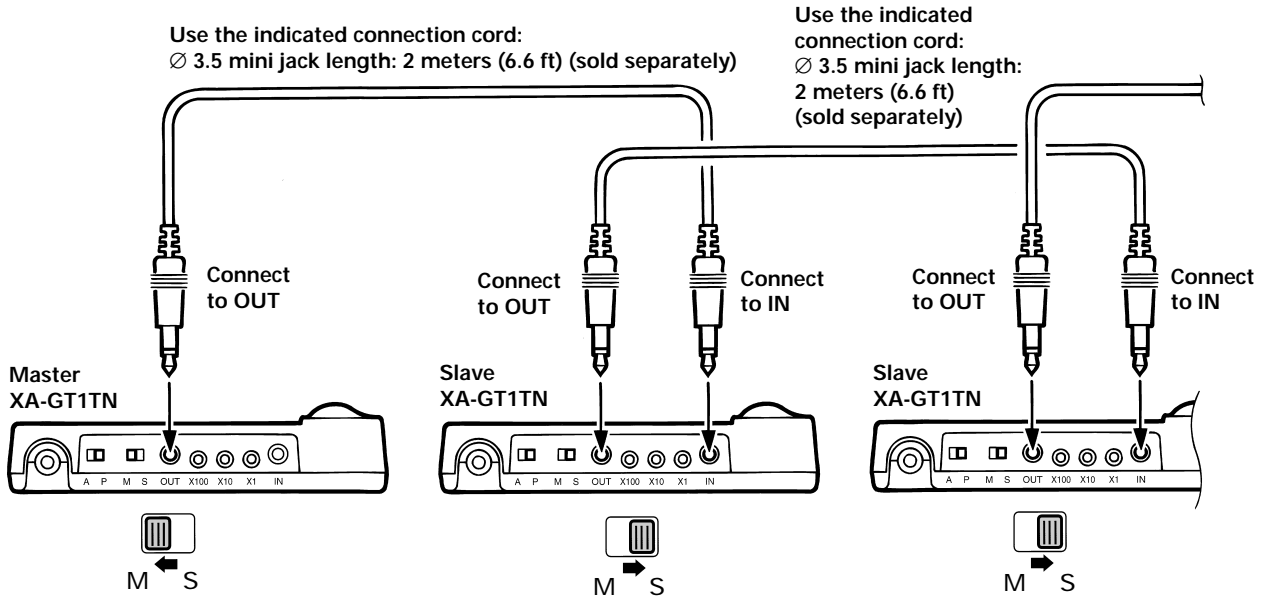


- In the diagram below, data is transmitted from a "master" transmitter to the linked "slave" transmitters in sequence. The procedure for setting up this type of master/slave connection is described on the following page.

- Connect the power adaptor to each transmitter.
- A maximum of five XA-GT1TN units can be connected.



• How to Make Connections



This transmitter's Master/Slave switch is set to "M" master.

The second transmitter's Master/Slave switch and all others (up to the fifth transmitter) is set to "S" slave.

< Notice >

- The power adaptor must be connected for every transmitter.
- Setting the Auto Start method for multiple transmitters:
 While referring to the above explanation "How to Make Connections," connect the transmitters accordingly. In this setup, the Auto/Point switch is set to "A."

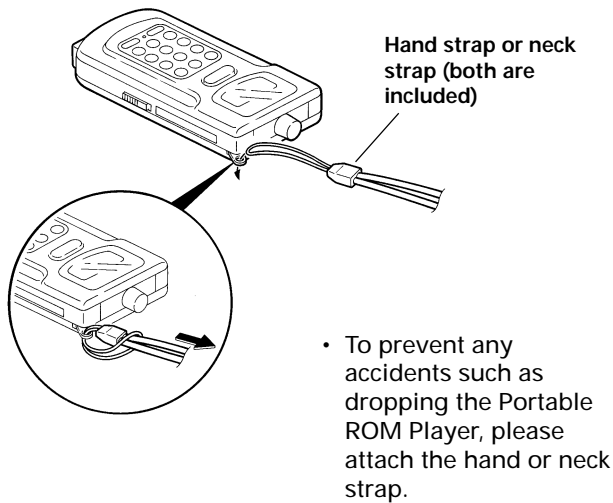


This enables the Audio System to provide information to a larger area.

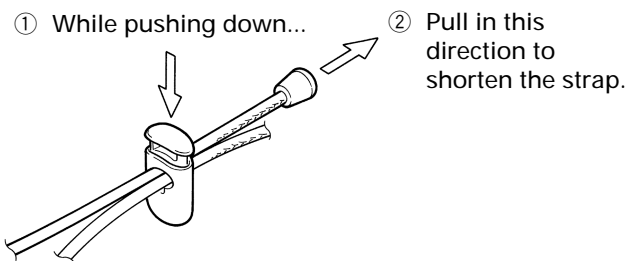
How to Use the Portable ROM Player (XA-GP1BK)

To prevent any accidents such as dropping the Portable ROM Player, it is recommended that the included hand or neck strap be attached before use.

Attaching the hand or neck strap

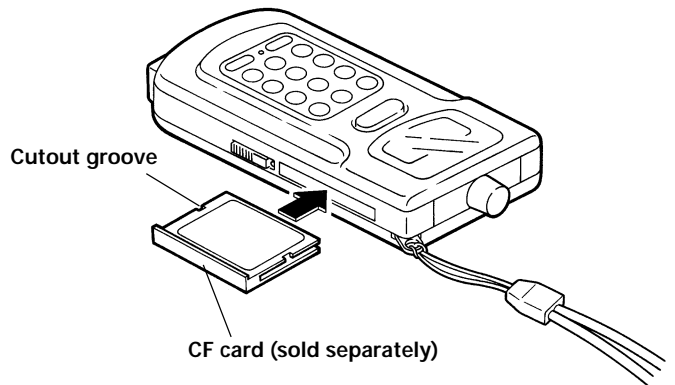


• Adjusting the length of the neck strap



Inserting and ejecting the CF card

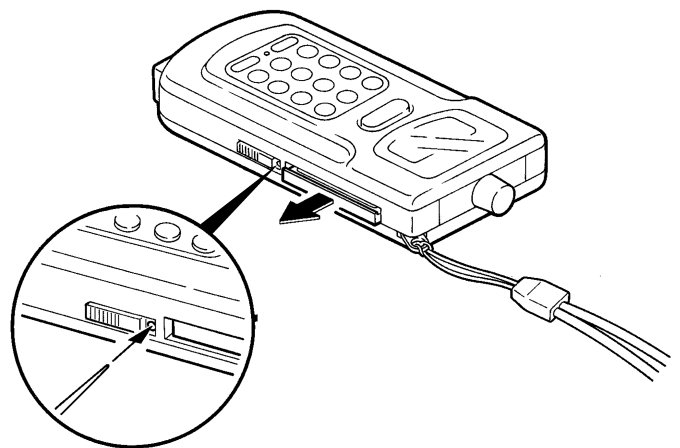
• Inserting the card



- With the surface that has a cutout groove facing up, insert the card into the slot. (The card cannot be inserted upside down.)

• Ejecting the card

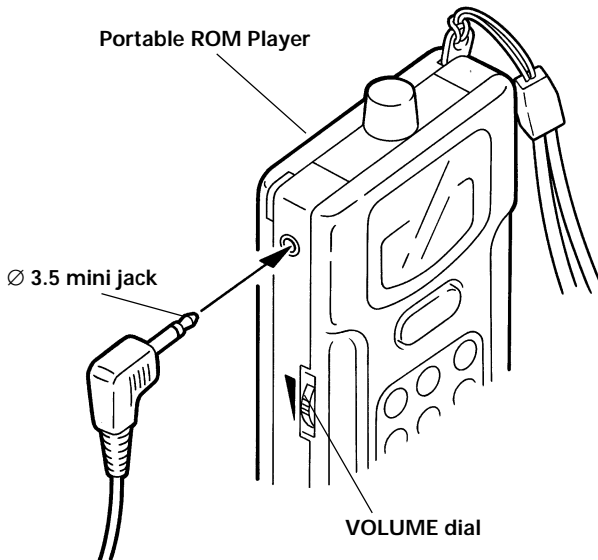
- 1 Turn the POWER to OFF.
- 2 Push a screwdriver (2 mm diameter) into the CF card ejection hole.



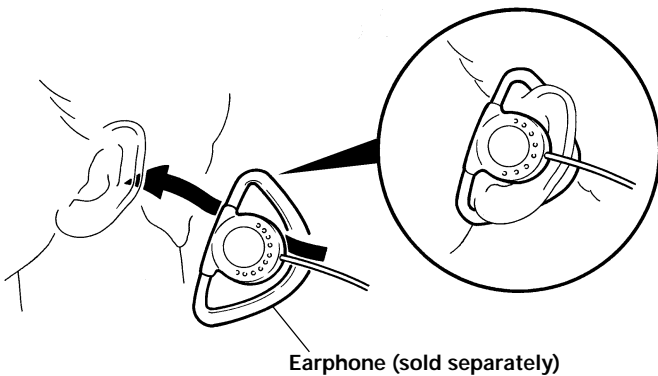
- Slotted screwdriver used for watches
Push a screwdriver (2 mm diameter) or similar tool into the hole and the CF card will come out.

Using the earphone

- 1 Insert the earphone (sold separately) mini plug into the earphone jack located on the Portable ROM Player.



- 2 Clamp the earphone over the ear.

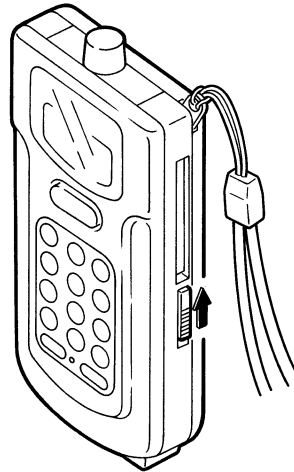


- 3 Adjust the volume to a comfortable level.



- Sound is still produced even if the VOLUME dial is set to "MIN" minimum.

How to turn on the power



- Set the POWER switch to ON.



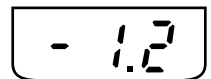
The initialization screen appears in the display window. After about 5 seconds, the unit enters stand by.

Initialization

When the power is turned on, the following screens appear in the display window:

software version display

Example:



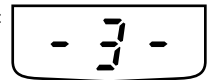
Displayed when version 1.2 is installed

- When a CF card has not been inserted, the screen display stops here.



remaining battery power display

Example:

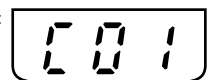


Displayed when the battery power is approximately more than 75%.



CF card version display

Example:



- When turned on within an Auto reception area, playback begins without displaying the CF card version.



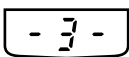
stand-by display



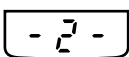
- At this point, the unit is in stand by.

- * The remaining battery power display will differ according to the power remaining in the rechargeable batteries.

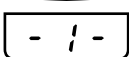
Displayed when the battery power is approximately more than 75% :



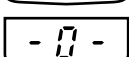
Displayed when the battery power is approximately between 50 - 75% :



Displayed when the battery power is approximately between 30 - 50% :



Displayed when the battery power is approximately below 30% :



Playback starts through reception of encoded infrared signals or by inputting commands with the numerical keys.

Playback through the reception of encoded infrared signals

There are two types of playback available: "Point reception" which operates in close proximity to the exhibited work of art, and "Auto reception" which operates automatically when the Portable ROM Player enters an area of reception.


• Starting playback through Point reception. (Pointing method)

1 Point the extended pointer on top of the Portable ROM Player at the Infrared Address Transmitter.

- For information on the signal transmission distance, refer to Transmission Area on page 11.

2 Press .



- The encoded infrared signals are received and when a "Point message" is present, playback will start. When playback does not start, move closer to the Infrared Address Transmitter and push  once more.

• Starting playback through Auto reception. (Auto Start method)

1 Enter the transmission area that has been set for Auto transmission while holding the Portable ROM Player.

- For information on the signal transmission distance, refer to Transmission Area on page 13.

Encoded infrared signals are received

2 When an "Auto message" is present, playback will start automatically.

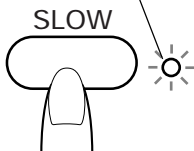
< Notice >

- Under the following conditions, playback will NOT start:
When the Portable ROM Player is receiving the same encoded infrared signal again.
(However, if you exit the transmission area for 2 minutes and then return, playback will start.)

What to do when the message is too fast or needs to be repeated ?

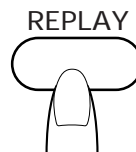
• Playback at a slower speed

Light turns on.



- Press the SLOW button when listening to information that is in a foreign language or for any other reason you may want to slow down playback. The indicator light turns on and the message is played back slowly from the beginning. Press the SLOW button once more to return to the normal speed. However when the playback file uses the μ -Law algorithm, the "SLOW" function will not operate.

• Replay the message



- Press the REPLAY button to listen once more to the message that is indicated by the number in the display window. Press the REPLAY button during playback to listen to the message from the beginning.

Playback is possible even when an Infrared Address Transmitter has not been installed.

Playback with the 10 numerical keys

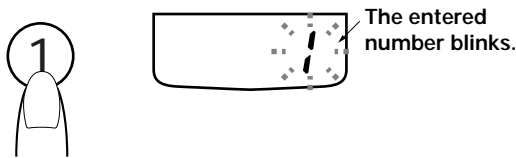
Playback is possible by entering an address number directly.

- Playback can also be controlled with the 10 numerical keys.

1 Input the address number using the 10 numerical keys.

- Input the desired number to input the three-digit number.

Example: To input the address number "001," press key ①.



Within 5 seconds...

2 Press **PLAY** → Playback begins.



- You can also playback the message by merely pressing the **REPLAY** button.

Note:

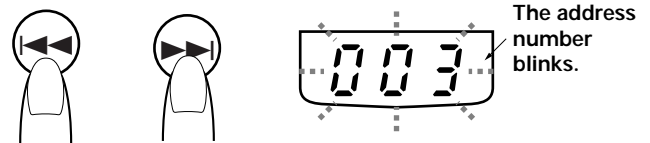
- If an unregistered address number is entered, playback cannot begin.
- To stop playback at any time during the message, press **PLAY**. To listen to the message once more, repeat steps 1 and 2.

- When an address number is entered that does not exist, the unit returns to stand by and (- - -) is displayed. Or the unit returns to the previous address number.
- When **PLAY** is not pressed within 5 seconds of selecting an address number, the unit returns to stand by (- - -) or returns to the previous address number. To reenter the desired address number, start from step 1.

- Playback with **▶▶**, **◀◀** keys.

1 Press the **▶▶** or **◀◀** key to display the desired address number.

Example : When you want to listen to address number 003.



Each time this key is pressed, the unit moves to the previous number.

Each time this key is pressed, the unit moves to the next number.

Within 5 seconds...

2 Press **PLAY** → Playback begins.



- You can also playback the message by merely pressing the **REPLAY** button.
- To stop playback at any time during the message, press **PLAY**. To listen to the message once more, repeat steps 1 and 2.

- When the **▶▶**, **◀◀**, or the numerical keys are pressed, numbers that have not been assigned an address will be skipped. This allows you to do a "search" for the next assigned message each time you press the key.
- When **PLAY** is not pressed within 5 seconds of selecting an address number, the unit returns to stand by (- - -) or returns to the previous address number. To reenter the desired address number, start from step 1.

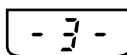
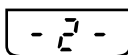
Methods for Providing Information to Visitors

Points to remember when the visitor receives the Portable ROM Player

- Turn the POWER to ON and confirm the following points when handing the Portable ROM Player to the visitor.

1 Check the remaining battery power.

- The visitor should receive the unit when

 (or ) is displayed.

(If there is less power than indicated above, "No Battery Power" may occur during the exhibit.)

2 Check the CF card.

- Confirm that the CF card is what the visitor requested and that the card has been inserted. Also check the card version in the display window.

3 Check the earphone.

- Confirm that sound is properly produced from the earphone.

< Notice >

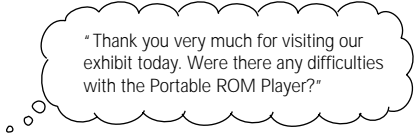
- It is recommended that earphones are replaced regularly. Especially after extended periods of use, the wire at the base of the plug often becomes cut. Therefore make sure that the earphones are properly working.
- Earphones should always be cleaned and replaced regularly in order to maintain public standards of personal hygiene.

-
- When a child is using the Portable ROM Player, to prevent accidents, replace the neck strap with the hand strap.

Points to remember when the visitor returns the Portable ROM Player

- Confirm the following points when the visitor has finished viewing the exhibit and returns the Portable ROM Player.

1 It is recommended that the following is said to the visitor when the Portable ROM Player is returned;

 "Thank you very much for visiting our exhibit today. Were there any difficulties with the Portable ROM Player?"

- In the event that the visitor did have some problems, leave the CF card inserted, hand the Player to the Audio Guidance System administrator, and explain the problem.

Example: The visitor was not able to hear the explanation for exhibit number XX in exhibit hall number XX.

2 Check that the CF card is still inserted.

- In the event that the card is missing, immediately request that the visitor return the card.

3 Turn POWER to OFF.

- This will extend the life of the batteries. It is recommended that the batteries are returned to the recharger for recharging.
-

Editing the CF Card Data By Yourself

The Audio System administrator should refer to information below when editing (authoring) the CF card data.

CF Card Format

- The CF card is in DOS format.
(When the CF card is purchased it is already in DOS format. Do not alter the version, cluster size, or make any other physical format change.)

Long file names are incompatible and therefore cannot be used.

- Store the message file in the sub directory "01?????" of the root directory.
In the "01" section, a number can be set from 01 - 09.
(The default setting is 01.)
For more information on editing methods for playback that is initiated from the sub directory, refer to Message Group Select Functions on this page.
The area occupied by "??..." can be used after assigning a desired value.

Naming a Message File

Name a file according to the following instructions.

Point reception file

P001?????. WAV

Auto reception file

A101?????. WAV

- The "P" prefix indicates the message will be played back through the point reception method. The Auto reception method is indicated with "A."
- The 2nd to 4th digits can be used to indicate an address number from 000 - 999.
However, Point or automatic playback that is initiated from the reception of encoded infrared signals, can only be assigned to the address numbers 000 - 255.
The address numbers from 256 - 999 can only be used for playback that is initiated through key entry. For these numbers, "P" should be assigned as the prefix.
- Do not assign the same address number for Point reception and Auto reception messages.
- The 5th to 8th digits can be used after assigning a desired value. The file extension should always be designated as "WAV."

< Notice >

- Make sure to use only the CF card recommended by JVC.
- Presently JVC is introducing CF card authoring specialists to our customers. For more information, please feel free to contact a sales representative.

File That Displays the CF Card Version

Through placing a file that displays the CF card version in the root directory, after turning on the power, the CF card version will be displayed. This will appear after the display that indicates the remaining amount of battery power. This function makes it possible to distinguish between the contents of one CF card and another. When a file that displays the CF card is not present, the version number is not displayed.

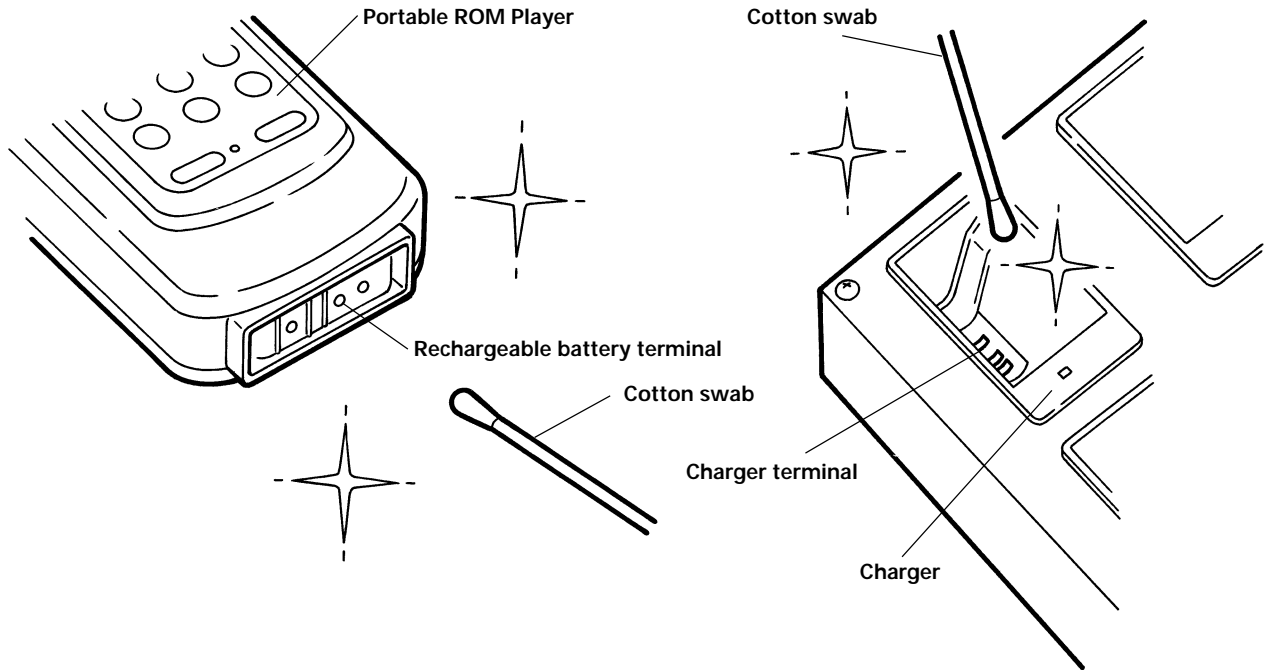
- **File name**
The file name for the file that displays the version should be "VER.TXT."
- **File format**
The following explains the format for the file that displays the card version.
 - Write a file prefix that indicates a version number from 00 - 99.
- **Display format**
The CF card version will appear in the display window as "C01." The number "01" will change according to the version number written in the file that displays the card version.

Message Group Select Function

It is possible for the visitor to select from a variety of messages that can be played back. This is accomplished because a number of sub directories can be created and in each sub directory different languages or additional message files can be stored.

- **Sub directory names**
There are 9 different types of subdirectories from "01?????" to "09?????".
The area occupied by "?" can be used after assigning a desired value.
(The default setting is "01?????".")
- **Selection method for the message group (language)**
A sub directory can be selected by turning the POWER ON while pressing one of the 10 numerical keys ①-⑩. If POWER is turned ON without pressing any of the 10 numerical keys, "01?????" is selected.
- **Checking the message group (language)**
Check with the earphones whether or not the playback correctly corresponds to the selected message group.

Cleaning the Rechargeable Battery Terminals



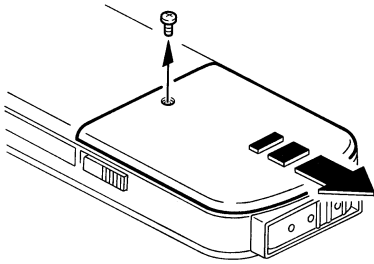
- The terminals should be cleaned about once a month. If the terminals are not cleaned regularly, it is possible that debris will hinder recharging.
- The Portable ROM Player should only be cleaned with a dry and soft cloth. Make sure that the optical sensor lens is kept completely clean.

How to Change the Battery Pack

Although the life of the battery pack will vary according to the amount of use, the average is about 2 years. When the battery pack can only supply power for an extremely short period of time even after recharging, the pack should be replaced. The battery pack should be discarded and replaced with a new one.

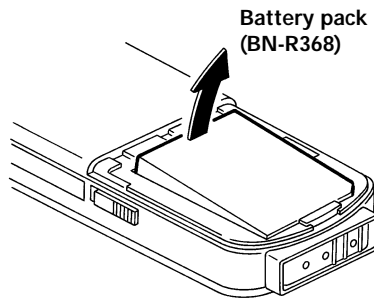
How to Change the Battery Pack

- 1** Open the battery cover on back of the Portable ROM Player.

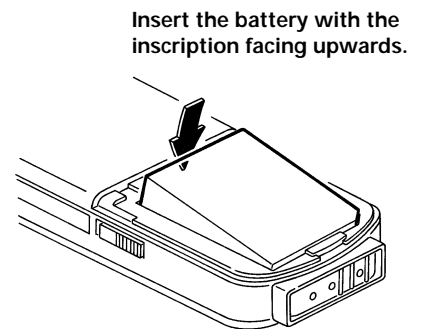


- The battery pack (BN-R368) is sold separately.

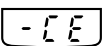
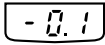
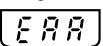



- 2** Take out the battery pack.



- 3** Replace the old battery pack with a new one and put back the cover.



- Close the cover and recharge the new battery pack for more than 3 hours.

Problem		Possible Cause	Solution	Reference page
Checking the Portable ROM Player	Does not operate.	• POWER is not turned ON.	• Turn POWER switch to ON.	page 17
		• When POWER is turned ON, the display window stays fixed on the display  .	• There is a problem with the internal program of the main unit. Contact a JVC service representative.	•
		• The display window stays fixed on a number display such as  .	• Take out the CF card and insert again. If this does not resolve the problem, contact a JVC service representative.	•
		• The display window stays fixed on the error display  .	• The CF card has malfunctioned. Replace with a CF card that functions properly.	•
		• The internal battery pack has not been recharged.	• Recharge the Portable ROM Player with the recommended charger.	page 7
	Even after recharging, within a short time the unit cannot be used.	• The battery pack is about 2 years old and should be replaced.	• Purchase a new battery pack (BN-R368) at your local dealer.	page 23
Checking the Infrared Address Transmitter	Does not operate.	• POWER is not turned ON.	• Plug the power adaptor into a power outlet.	page 8
		• Master/Slave switch is not switched to "M" master.	• Switch to "M" master. 	page 8
		• Auto/Point switch is not set properly.	• When using the Pointing method:  set the switch to "P" point. • When using the Auto method:  set the switch to "A" Auto.	page 8
		• Address number is not properly set.	• Set the correct 3 digit address number using the Address Rotary switch.	page 8
		• The exhibit card is covering the optical transmission lens.	• Place the card so that the optical transmission lens is visible.	page 10

Problem		Possible Cause	Solution	Reference page
Checking the Infrared Address Transmitter	The infrared beam projection range is extremely short.	• Optical transmission lens on the transmitter or the sensor lens on the Portable ROM Player is dirty.	• Clean the optical transmission lens on the transmitter or the sensor lens on the Portable ROM Player.	●
		• Extremely strong rays or natural sunlight shining in the direction of the Portable ROM Player are interfering with sensor reception.	• Place a blind to cover the region of the window where the sunlight enters.	●
		• An inverter fluorescent light has been placed too close to the transmitter and is shining in the direction of the Portable ROM Player.	• Place the transmitter away from that type of fluorescent light. Or replace the light with a more common type of fluorescent light.	●
	Transmission area is too small.	• Installation angle of the transmitter has slipped or was not set properly.	• Install the transmitter correctly after referring to the examples that illustrate the Pointing method and the Auto method.	page 10 page 13
Checking the CF card	Does not operate.	• The set address and the CF card WAV file do not match.	• Set the correct address.	●
		• Wrong CF card was inserted.	• Insert the correct CF card.	●
Charger	Cannot recharge the Portable ROM Player.	• Power cord is not plugged in properly.	• Plug the power cord completely into the outlet.	page 7
		• Portable ROM Player and charger terminals are dirty.	• Clean both terminals used for recharging.	page 22
		• Fuse has blown.	• Replace the fuse with a new one. (Use 250V/5A fuse.)	page 5

Note

- JVC is not responsible for any lost revenues or damages incurred due to the improper operation or malfunctioning of these products. This should be fully understood in advance before attempting to use these products.
- Many of the functions of the Portable ROM Player are executed with the use of micro processors. In the event that the unit does not operate properly due to for example static electricity, turn the POWER to OFF. Then after a short while, turn back to ON.

Portable ROM Player (XA-GP1BK)

Recording medium	Flash memory card (CF card)
Sampling wave frequency	8 kHz
Sound data compression algorithm	TrueSpeech 8.5 (8.5 kbps) μ-Law (64 kbps)
Data rate	Approx. 1 kilobyte/s
Playback time	Approx. 30 minutes per 2 MB when using TrueSpeech 8.5
Maximum numbers of messages	1000
Power	DC 3.6 V (uses rechargeable Lithium ion batteries BN-R368)
Battery power duration	6 hours for continuous play 12 hours for intermittent play* (* Assuming 30% of total operation time is active playback)
Output jack	Earphones (monaural mini, Ø 3.5)
Dimensions	58.6 (W) x 141.4 (H) x 23.5 (D) mm (2-3/8" x 5-5/8" x 1")
Mass	Approx. 165 g (0.37 lbs.) (with battery pack)

Provided Accessories

- Hand strap x 1
- Neck strap x 1

Charger (XA-GC20BK)

Maximum number of units that can be recharged	20 (XA-GP1BK)
Recharging time	Approx. 3 hrs. (when fully recharged)
Power consumption	270 VA (when charged)
Power supply	AC 110-240 V, 50/60 Hz
Dimensions	477 (W) x 138 (H) x 438 (D) mm (18-13/16" x 5-7/16" x 17-1/4")
Mass	Approx. 7.5 kg (16.6 lbs.)

Provided Accessories

- Power cord (includes Ferrite core) x 1

Infrared Address Transmitter (XA-GT1TN)

Transmission method	JVC Infrared Encoding Address Transmitter
Address settings	Mini rotary switch x 3 (Code No. 000 ~ 255)
Directional angle	Horizontal direction: Approx. ±20° (when set to Auto) Approx. ±45° (when set to Point) Vertical direction: Approx. ±20°
Transmission distance	Approx. 7 m (23 ft) (depending on hall conditions)
Power source	DC 12V ±10%, 0.4 A (stabilized power)
Dimensions	120.5 (W) x 28 (H) x 66 (D) mm (4-13/16" x 1-1/8" x 2-5/8")
Mass	Approx. 110 g (0.25 lbs.)

Provided Accessories

- Metal fixture mount x 1
- Screw (M3 x 6 mm) x 2
- Bolt (M10 x 20 mm) x 1

Additional Accessories (sold separately)

- Memory card (CF card)
- Earphones (monaural mini, ear clamp type)
- Rechargeable Lithium ion battery : BN-R368
- Master/Slave connection cord (Ø 3.5 mini plug included) length 2 m (6.6 ft).

XA-GP1BK/XA-GT1TN
XA-GC20BK

AUDIO GUIDANCE SYSTEM



VICTOR COMPANY OF JAPAN, LIMITED

