JVC® PROFESSIONAL

Audio Guidance System

Portable ROM player
XA-GP1BK

Infrared address transmitter
XA-GT1TN

Charger
XA-GC20BK

Advanced Audio Guidance System Makes Tours More Interesting And Enjoyable

While the subjective appeal of exhibits such as a work of art or a new product can be enhanced with more information, many of the traditional means of conveying this information can actually detract from the viewer's experience. PA systems are noisy, explanation panels can spoil the visual atmosphere, and lecturing tour guides can be distracting.

With JVC's portable ROM player and earphone, visitors to your museum, showroom or factory can enjoy a full audio description of what they are seeing when they see it. Automatically or manually activated recorded information will enhance your visitors' understanding without irritating or distracting them.

Easy-to-use, easy-to-handle and easy-to-manage, this system is simply the most efficient and unobtrusive way to guide your visitors

Major features

Easy operation with large LCD and large buttons

A large easy-to-view LCD and large easy-to-press buttons make it easy for anyone to use this system — regardless of age.

Three different ways to initiate guide playback

Guide playback can be initiated automatically, by manual pointing using infrared detection, or by direct numeric input. Simply select the system that best suits your needs. When the preset numeric keypad input system is used, you do not need to install an infrared address transmitter.

Skip key to advance or reverse the guide narrative number

You can forward or reverse the guide by pressing the skip key, allowing you to listen to the same explanation again or skip to the next one.

Easy-to-understand slow-speed playback

Slow-speed playback is also provided to make it easier for visitors to follow the description. Playback speed can be lowered to 75% of the normal speed with one-touch operation. This function is ideal for children, elderly people, or non-native speakers.
* Not available in the SP mode.

Easy-to-use flash memory card for long-time recording

A compact flash memory card is used for the audio narration. Long-time recording is possible and recordings can be easily edited and changed. With flash memory cards, frequent use does not lead to physical deterioration so there is no loss in sound quality as there is with ordinary tapes.

One-touch switching between up to 9 languages

A large-capacity card of up to 48 Mbytes can be used which allows multiple languages (up to 9) to be stored in memory. The contents of the guide can also be switched for the visitor according to the age. In the future, a larger capacity memory card is expected to be available for a wide range of applications.

Large-capacity lithium battery for trouble-free operation

A large-capacity lithium ion battery is built into the portable ROM player. Daily handling and maintenance are easy. When this battery is fully charged (3 hours), playback capacity is estimated at 12 hours.

● **1,000-message recording**

Up to 1,000 messages can be recorded on one memory card. (Numbers between 000 and 255 can only be used for the start No. when the infrared address transmitter is used.)

● **Message playback count**

A record of the number of times each message is played back can be stored on the card. This is useful for tracking visitor interest in particular exhibits and for preparation of marketing material.

● **Card version display**

When the power is turned on, the version number of the installed card (00 - 99) can be displayed.

[SP/LP mode selectable]

Two audio modes are provided to meet need for high-quality sound or long exhibit descriptions. The SP mode is ideal for announcements, background music and sound effects with clear sound. In the LP mode, audio data is recorded with high compression to enable longer explanations or multiple languages.

Memory capacity and recording time of flash memory cards

Memory capacity	SP mode	LP mode
2 Mbytes	-	About 30 minutes
4 Mbytes	-	About 1 hour
10 Mbytes	About 20 minutes	About 2 and a half hours
15 Mbytes	About 30 minutes	About 3 hours and 45 minutes
20 Mbytes	About 40 minutes	About 5 hours
30 Mbytes	About 1 hour	About 7 and a half hours
48 Mbytes	About 96 minutes	About 12 hours

* Recording times when a card is fully recorded in the SP or LP mode.

■ In the SP mode, audio is recorded with low compression in the high-quality "μ-law" format.
■ In the LP mode, audio is recorded with high compression in the "TrueSpeech" extended recording format.

● JVC Audio Guidance System meets ADA objectives.

Producing a program on a flash memory card

1. Production of the program

Once a script has been prepared, record and edit the narration, background music and sound effects in a studio. Create a master MD or DAT.

Scenario

Studio recording and editing

Master MD or DAT

MD player or DAT player

2. Authoring

Apply a digital format (compress) to the audio source of the master MD or DAT. Copy data to a flash memory card to create a master memory card.

Message audio digitized, edited and compressed to prepare a master memory card

Master flash memory card

3. Editing and copying

Use a notebook PC to make any final changes to the contents of the master memory card. When final editing is complete, copy the contents to as many memory cards as required.

Flash memory cards for portable ROM

Exclusive new JVC system offers three different ways to start guide playback. Choose the one that best suits your facility.

What type of audio guide system works best for you depends to a large extent on the nature of your exhibition, the structure of your facility, and so on. With JVC's Audio Guidance System, three different playback start systems are available so you can easily configure the system to suit your requirements.

● Manual pointing start system

A transmitter is installed near each exhibit. To start playback, the visitor points the player at the transmitter and presses the Start button.

■ Entrance
Visitors are loaned a player and earphone.

■ Exit
Visitors return the player and earphone.

● Auto start system
A transmitter is installed on the ceiling or wall near the entrance. When the player passes the transmitter, playback of the narrative starts automatically.

● Preset numeric keypad input system
Each exhibit is given a number and the visitor simply enters the desired number on the player's numeric keypad to start playback of the corresponding guide narrative. As this system does not use infrared signals, transmitters are not required.

Specifications

■ XA-GP1BK portable ROM player

Recording media	Flash memory card (COMPACT FLASH Card)
Sampling frequency	8 kHz
Data rate	About 1 Kbyte/s
Recording time	About 30 minutes per 2 MB
Number of messages	0 - 999 (000 - 255 used for transmitter)
Built-in battery	Lithium ion rechargeable battery (BN-R368)
Battery duration time	About 6 hours for continuous playback (about 12 hours with the playback time ratio at 30%)
External output	Monaural mini (dia. 3.5 mm)
Dimensions (WHD)	2-5/16" x 5-5/8" x 15/16" (58.6 x 141.4 x 23.5 mm)
Weight	About 165 g (including battery)
Accessories	Hand strap, neck strap

■ XA-GT1TN infrared address transmitter

Transmission system	Proprietary code infrared address transmission
Address system	Mini rotary x 3 (code No. 000 - 255)
Directivity angle	Horizontal direction: about ±20 degrees for auto setting; about ±45 degrees for point setting Vertical direction: about ±20 degrees
Effective range	About 7 m (depending on the installation conditions)
Power supply	Specified AC adapter (DC 12 V ±10%, 0.4 A)
Dimensions (WHD)	4-3/4" x 2-5/8" x 1-1/8" (120.5 x 66.0 x 28.0 mm)
Weight	About 110 g
Accessories	Installation brackets

■ XA-GC20BK charger

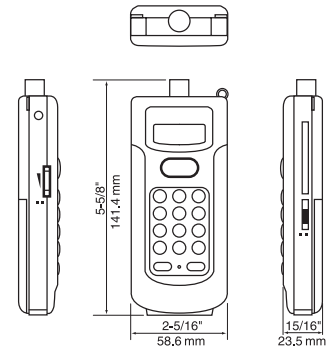|	
Number of rechargeable units	Up to 20
Charging time	About 3 hours (with indications for "during charging" and "charging complete")
Power consumption	270 VA
Power supply	110 V ~ 240 V, 50/60 Hz
Dimensions (WHD)	18-13/16" x 5-7/16" x 17-1/4" (477 x 138 x 438 mm)
Weight	About 7.5 kg
Accessories	Power cord

Typical applications

- Museums
- Art Galleries
- Zoos, Aquariums
- Special Promotional Displays/Exhibitions
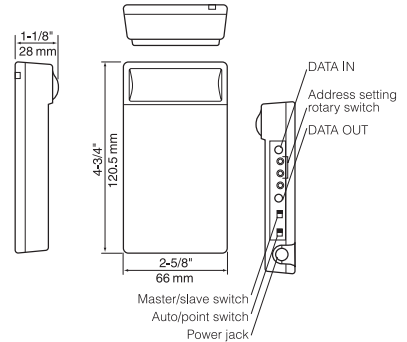- Factory Tours

Options

- Compact flash memory card: 2/4/10/15/20/30/48 MB
- Earphone: DH247 (ear-hanging type)
- AC adapter: (for infrared address transmitter)
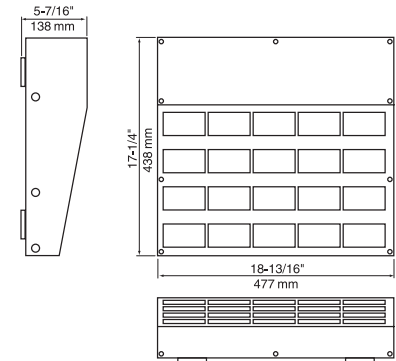- Rechargeable battery: BN-R368 (supplementary)

Dimensions

■ XA-GP1 portable ROM player

5-5/8"
141.4 mm

2-5/16"
58.6 mm

15/16"
23.5 mm

■ XA-GT1 infrared address transmitter

1-1/8"
28 mm

4-3/4"
120.5 mm

2-5/8"
66 mm

DATA IN
Address setting rotary switch
DATA OUT

Master/slave switch
Auto/point switch
Power jack

■ XA-GC20 charger

5-7/16"
138 mm

17-1/4"
438 mm

18-13/16"
477 mm

System configuration

Portable ROM player XA-GP1BK
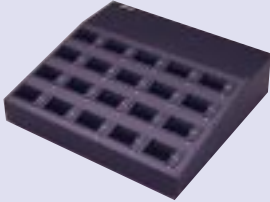Designed for easy carrying — provided with a neck strap/hand strap.

Flash memory card
(2/4/10/15/20/30/48 MB)

Earphone DH247

Infrared address transmitter XA-GT1TN
Install one for each exhibit when the manual pointing start system is used. Install on a ceiling or wall near the entrance when the auto start system is used.

Charger XA-GC20BK
20 players can be fully charged simultaneously in about 3 hours.

Design and specifications subject to change without notice.