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.

**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.

<table>
<thead>
<tr>
<th>Memory capacity</th>
<th>SP mode</th>
<th>LP mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Mbytes</td>
<td>-</td>
<td>About 30 minutes</td>
</tr>
<tr>
<td>4 Mbytes</td>
<td>-</td>
<td>About 1 hour</td>
</tr>
<tr>
<td>10 Mbytes</td>
<td>About 20 minutes</td>
<td>About 2 and a half hours</td>
</tr>
<tr>
<td>15 Mbytes</td>
<td>About 30 minutes</td>
<td>About 3 hours and 45 minutes</td>
</tr>
<tr>
<td>20 Mbytes</td>
<td>About 40 minutes</td>
<td>About 5 hours</td>
</tr>
<tr>
<td>30 Mbytes</td>
<td>About 1 hour</td>
<td>About 7 and a half hours</td>
</tr>
<tr>
<td>40 Mbytes</td>
<td>About 96 minutes</td>
<td>About 12 hours</td>
</tr>
</tbody>
</table>

- 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.

### 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.

#### 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.

#### 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.

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* JVC Audio Guidance System meets ADA objectives.
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.

- **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.

- **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.

- **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.

**Entrance**
Visitors are loaned a player and earphone.

**Exit**
Visitors return the player and earphone.
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
  - 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**
  - Flash memory card (2/4/10/15/20/30/48 MB)
  - Earphone DH247

- **XA-GT1 infrared address transmitter**
  - Infrared address transmitter XA-GT1TN

- **XA-GC20 charger**
  - 20 players can be fully charged simultaneously in about 3 hours.

System configuration

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

- Flash memory card
- 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.