



## DIGITAL WIRELESS INSTRUMENT SET

- I. ACT-24VL Wireless Violin / Viola Set
- II. ACT-24VC Wireless Cello Set
- III. ACT-24VD Wireless Double Bass Set
- IV. ACT-24CE Wireless Erhu Set

### User Guide





# I. Wireless Violin / Viola Set: ACT-24VL

## 1. Transmitter Part Names:

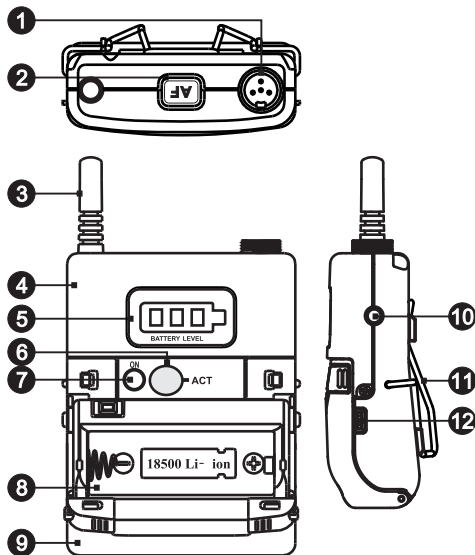
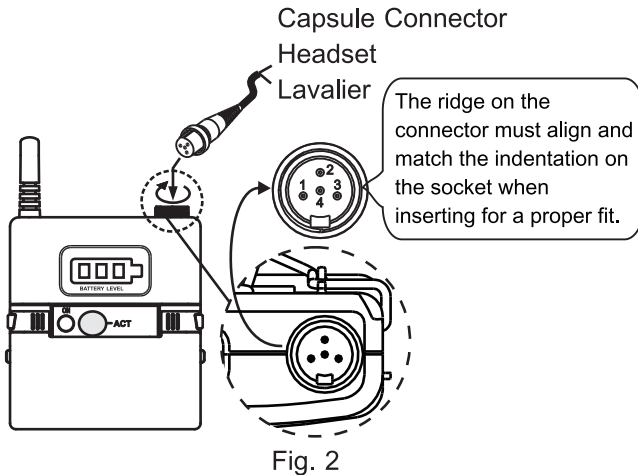


Fig. 1

- ❶ 4-Pin Microphone Input Jack.
- ❷ Mute button.
- ❸ Transmitting Antenna.
- ❹ Housing.
- ❺ Battery Level LCD Display.
- ❻ ACT Sync Window.
- ❼ Power Switch.
- ❽ Battery Compartment.
- ❾ Battery Cover.
- ❿ Remote control mute connector.
- ⓫ Reversible Belt Clip.
- ⓬ Battery Charging Contact.

## 2. Audio Input:

- (A) Before turning on the power, connect the input signal source to the microphone input jacket ❶ first to avoid open-circuit induced noise.
- (B) Align and fasten the connector clockwise for a secured fit.



## 3. Operating Instructions:

- (A) Wearing the bodypack transmitter, Fig. 3.

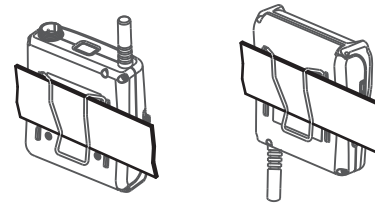


Fig. 3

- (B) Power on: Press the power button and battery and AF indicators are lit.
- (C) Power off: Press the power button for two seconds and battery indicators are off.
- (D) Battery level indicators. Recommend charging or replace a fully-charged battery when single red indicator remains. Power shutdown automatically when battery voltage is too low, Fig. 4.

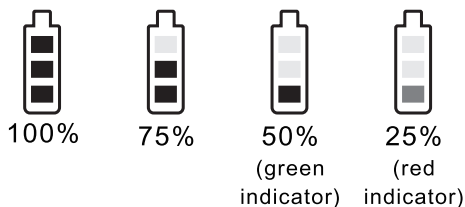


Fig. 4

(E) Mute Mode Setting, Fig. 5:

- (1) Press AF button to activate mute mode and the indicator dims. All the operations are the same as default mode.
- (2) Press AF button again to deactivate the mute mode and the indicator is lit.

(F) External Mute Switch connector, Fig. 5:

External Mute Switch has a 3.5 Ø connector. Once MJ-70 is inserted it acts as an external mute switch.

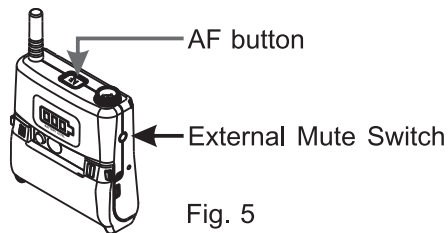


Fig. 5

- (G) Plug MJ-70 into the remote control mute connector before turning on the power.

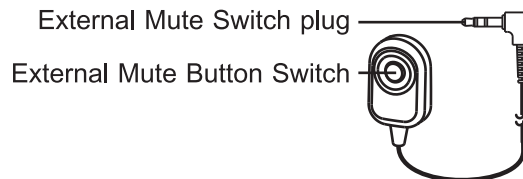


Fig. 6

#### 4. Battery Insertion and Replacement:

- (A) Press the side hooks to open battery compartment. Remove the battery carefully, Fig. 7.
- (B) Insert one 18500 type lithium battery according to correct polarity, Fig. 8.

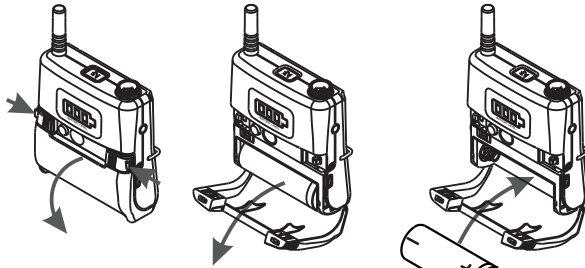


Fig. 7

Fig. 8

#### 5. Cautions of Battery Insertion and Replacement:

- (A) Check battery polarity was inserted correctly if battery power is sufficient but unable to turn on the transmitter. Battery protection circuit is activated if correct battery polarity. Below methods are available to bypass the battery circuit protection:
  - (1) Insert the transmitter into the single or dual-docking battery charger for at least 10 seconds. Power on the transmitter.
  - (2) Insert battery with incorrect polarity first. Remove and re-insert again with correct polarity.
- (B) Power off to conserve battery power. Remove the battery when it will not be used for extended periods of time.
- (C) We recommend transmitter to be recharged directly in the docking battery charger.

## 6. Transmitter Battery Charger:

Insert the transmitter into MP-8 battery Charger, Fig. 9.

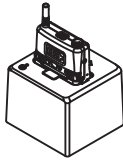


Fig. 9: Charging in MP-8

## 7. Transmitter Installation:

- (A) Put the MU-55V microphone and the VH-10L holder together, and then install it on the tailpiece of the violin / viola.
- (B) Connect it with a VC-10L cable to the transmitter.

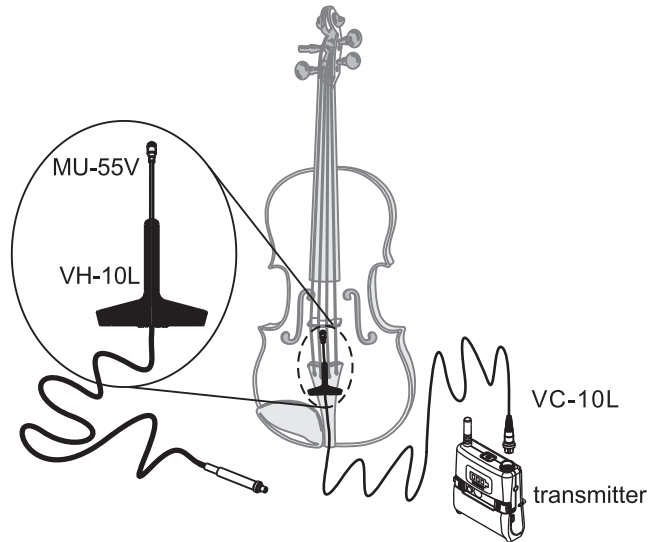


Fig. 10

## II. Cello / Double Bass Set: ACT-24VC / ACT-24VD

### 1. Transmitter Installation:

(A) Assemble the beltclip with the transmitter, Fig. 11-1, and install the holder on the beltclip, Fig. 11-2.

(B) Install the transmitter set on the tailpiece of cello / double bass, Fig 11-3.

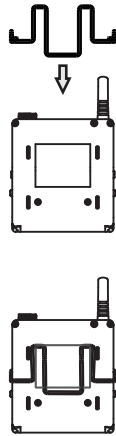


Fig. 11-1

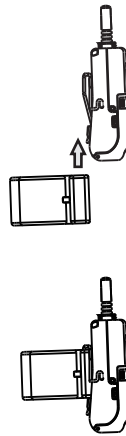


Fig. 11-2

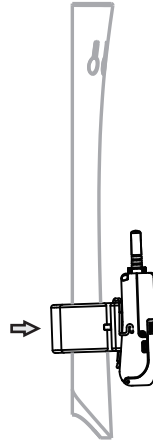


Fig. 11-3



## 2. Microphone Installation:

- (A) Assemble the microphone cable with the microphone holder, and install the holder on the bridge. Adjust the microphone to the ideal position.
- (B) Connect the microphone cable to the transmitter.
- (C) Installation tip for cello, Fig. 11-4.
- (D) Installtion tip for double bass, Fig. 11-5.

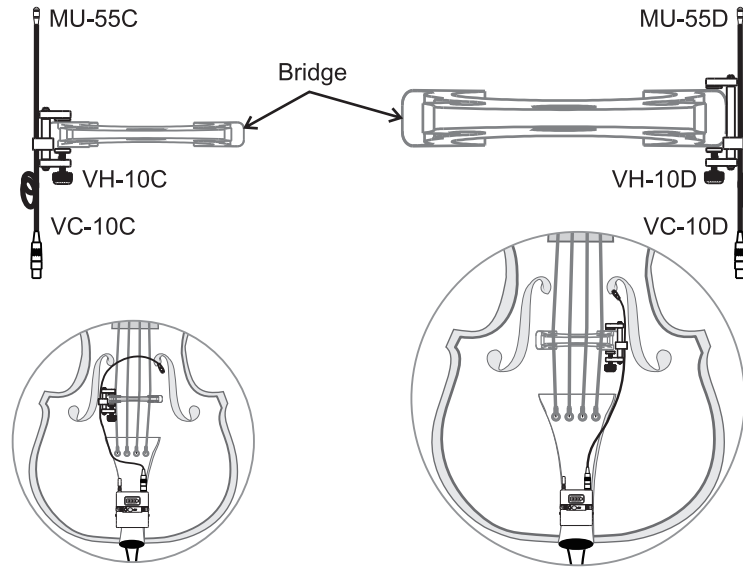


Fig. 11-4

Fig. 11-5

### III. Chinese Instrument Set: ACT-24CE

#### Transmitter Installation, Fig. 12:

- (A) Assemble the microphone with the holder, Fig. 12-1.
- (B) Connect CG-10E microphone cable to the microphone, Fig. 12-2.
- (C) Install the microphone holder on the Erhu and connect CG-10E to the transmitter, Fig. 12-3.

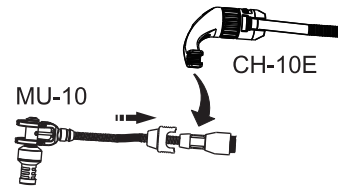


Fig. 12-1

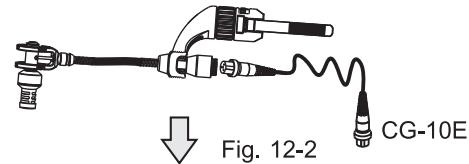


Fig. 12-2

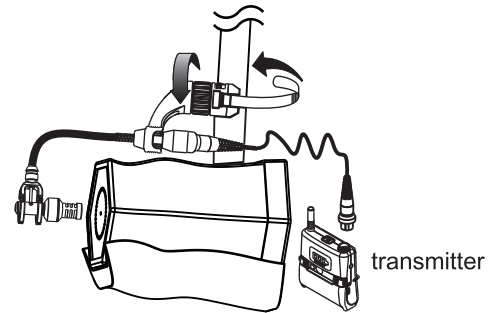


Fig. 12-3

## V. Note

1. Refer to actual product in the event of product description discrepancy.
2. Frequency range and maximum deviation range comply with the regulations of different countries.

## Federal Communication Commission Interference Statement

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 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

## FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

## IC

This device complies with Industry Canada RSS-247 ISSUE1 standards. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and

- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et

- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

#### IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator and your body.

Cet équipement est conforme aux CNR-102 d'Industrie Canada. Cet équipement doit être installé et utilisé avec une distance minimale de 20 centimètres entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec autre antenne ou émetteur. Les antennes utilisées pour cet émetteur doivent être installés et fournir une distance de séparation d'au moins 0.5 centimètre de toute personne et doit pas être co-située ni fonctionner en conjonction avec une autre antenne ou émetteur.







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