



MT-24A

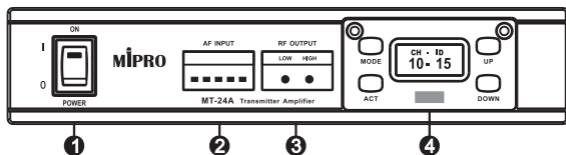
2.4 GHz Digital Interlinking Transmitter

User Guide

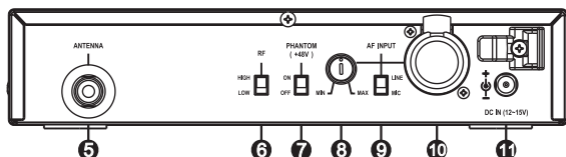


### I. Parts Name

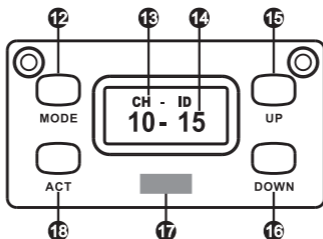
#### 1. Front Panel



#### 2. Rear Panel



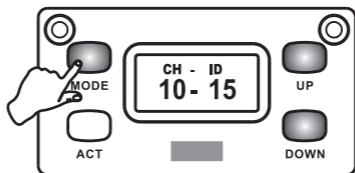
#### 3. Transmitter Panel



- ① Power Switch & Indicator
- ② AF Signal Indicators
- ③ RF Signal Indicators
- ④ Wireless Transmitter Panel: Preset with user-selectable 12 channels & 16 ID Codes.
- ⑤ RF Output Connector

- ⑥ RF Output Switch: High or Low RF level switch.
- ⑦ +48 Phantom Power Switch
- ⑧ AF Level Knob
- ⑨ AF Level Switch: MIC LEVEL(0dB) and LINE LEVEL(-20dB) audio output for optimal modulation index.
- ⑩ Combo Jack Connector: Balanced (XLR) or unbalanced (1/4-inch) audio input signals.
- ⑪ DC Voltage Input Connector: The center pole of the DC connector is positive voltage.
- ⑫ MODE Button
- ⑬ Display CH (Channel) & ID (ID Code)
- ⑭ Parameter
- ⑮ UP Button
- ⑯ DOWN Button
- ⑰ ACT Sync Window
- ⑱ ACT Button

## II. Controls and Indicators



### 1. CH-ID: Channel / ID Code

#### (A) Channel Set-up Instructions:

- (1) Press MODE button to activate setup mode and until CH icon starts to flash.
- (2) Press UP or DOWN button to increase or decrease channel number during CH icon flashing.

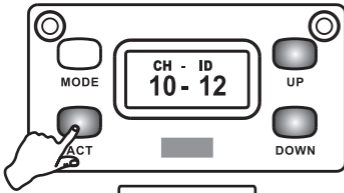


#### (B) ID Code Set-up Instructions:

- (1) Press MODE button to activate setup mode and until ID icon starts to flash.
- (2) Press UP or DOWN button to increase or decrease ID Code number during ID icon flashing.



## 2. ACT Synchronization:



Press ACT button to activate frequency synchronization with a matching receiver

**ACT**



**FAIL**

FAIL icon appears with a failed synchronization

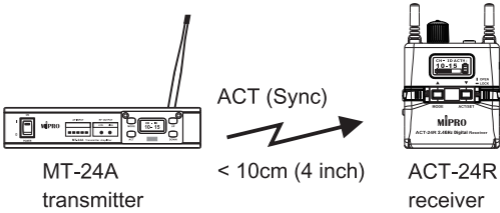
- (A) Power on transmitter and receiver. The infrared sync windows of both transmitter and receiver need to face and within 10cm (4-inch) of each other before the ACT button is pressed. Press ACT button to activate frequency synchronization with a matching receiver. ACT icon appears once ACT button is pressed. FAIL icon appears when frequency synchronization is performed unsuccessfully.
- (B) Once the frequency synchronization is performed successfully. CH-ID with the selected reappears.

### 3. ACT Synchronization with ACT-24R receiver: Set-up Instructions

ACT Synchronization normally allows you to automatically synchronize the frequency selected for your receiver, to your handheld and bodypack transmitters or in certain specific device like MT-24A, frequency selected for your transmitter, to your receiver, all at a simple touch of a button.

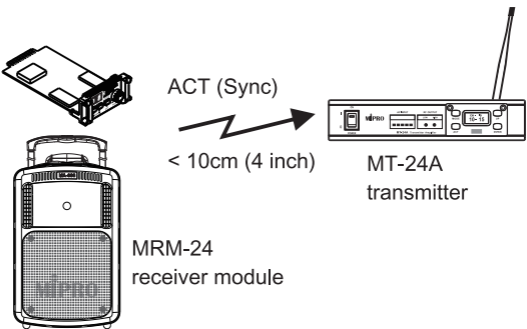
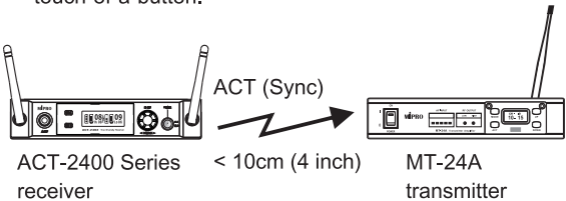
## 2.4 GHz Digital Interlinking Transmitter

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### 4. ACT Synchronization with ACT-2400 series receivers and MRM-24 receiver module: Set-up Instructions

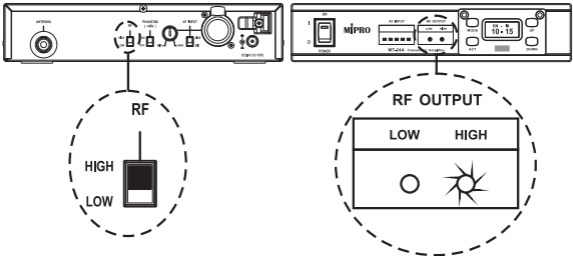
ACT Synchronization allows you to automatically synchronize the frequency selected for your receiver, to your handheld and bodypack transmitters, at a simple touch of a button.



### III. Operating Tips

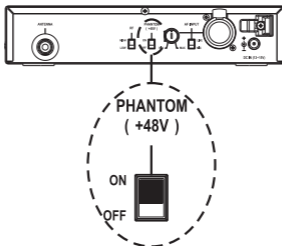
1. This transmitter has a higher power than the average handheld or bodypack transmitters. Interference may occur to wireless microphone systems. Switch to a different transmitter channel if interference occurs.
2. Proper RF Output Level and Output Connector Settings:

High or Low RF level switch is located at the rear panel. Front panel will display current High or Low RF output power setting.



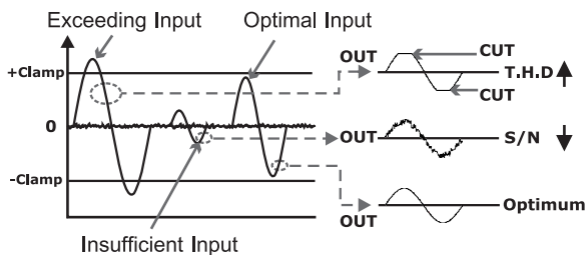
3. +48V Phantom Power Setting:

+48V Phantom Power is available from the combo jack connector. Use the +48V Phantom Power Switch at the rear panel to activate this function.



### 4. Proper AF (audio) Input and Connection:

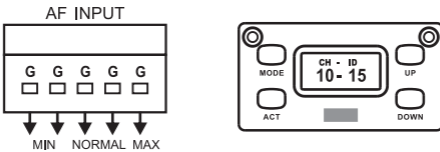
- (A) Combo jack connector accepts balanced (XLR) or 1/4-inch (6.3 Ø) unbalanced cable.
- (B) Proper input volume adjustment is needed after AF signal is connected.
- (C) Two selectable AF levels (MIC/LINE) can be selected from AF Level Switch ⑨ for optimal audio sensitivity. Exceeding input volume will result in distortion for receiver AF output, and insufficient input volume will degrade the S/N ratio that increases higher background noise. RF, proper setting ensures optimal output audio quality.



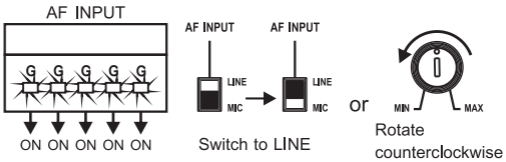


5. Optimal AF Input Volume Setting:

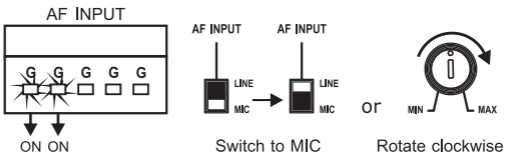
- (A) The AF Signal Indicators ② indicates the input audio signal level.
- (B) Normal volume: 2~3 LEDs are illuminated.
- (C) High volume: 4 LEDs are illuminated.
- (D) Peak volume: Red Limit indicator will be illuminated to denote warning.



- (E) When 4~5 LEDs are illuminated constantly it denotes exceeding input volume and input attenuation is required. Switch the input volume switch ⑨ to -20dB or adjust the AF Level Knob ⑧ counterclockwise for modification.



- (F) When 1~2 LEDs are illuminated constantly it denotes insufficient input volume and less input attenuation is required. Switch the input volume switch ⑨ to 0dB or adjust the AF Level Knob ⑧ clockwise for modification.



### IV. Notes

1. Refer to actual product in the event of product description discrepancy.
2. Frequency range and maximum deviation 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).

#### 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.

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.

IC

This device complies with Industry Canada RSS-210 ISSUE 2 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.

**MIPRO**<sup>®</sup>  
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