



Conference Microphone Bases User Guide

BC-100 II



BC-100T II
BC-100DT II



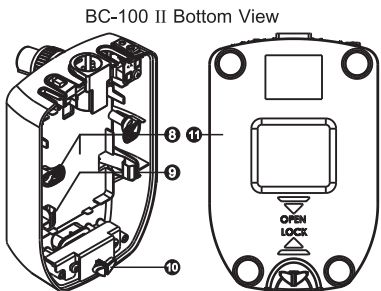
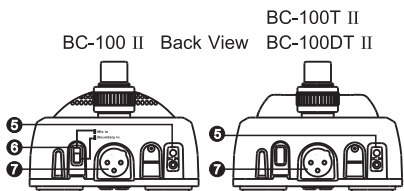
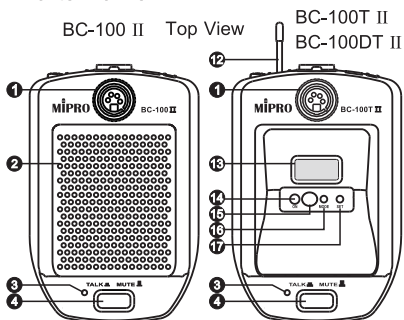
BC-24T II



BC-58T II

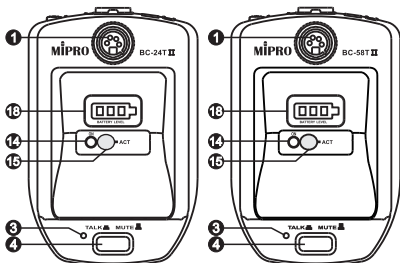


I. Parts Name

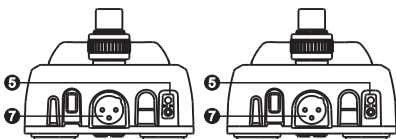


Conference Microphone Bases

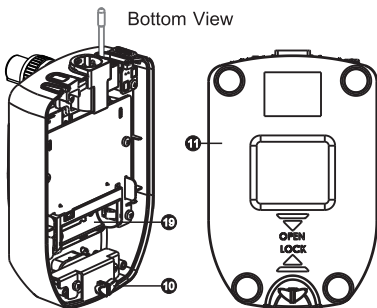
BC-24T II Top View BC-58T II



BC-24T II Back View BC-58T II



BC-100T II/BC-100DT II/BC-24T II/BC-58T II
Bottom View

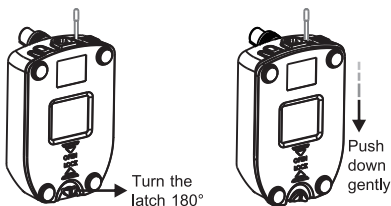


Conference Microphone Bases

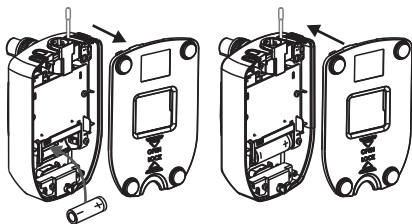
- ❶ Gooseneck Microphone Connector (4 pin)
- ❷ Boundary Microphone Grill (BC-100 II)
- ❸ TALK Indicator
- ❹ TALK or MUTE Button
- ❺ Charging Connector & Indicators
- ❻ Microphone Selection Switch (BC-100 II)
- ❼ Balanced 3 pin XLR Connector
- ❽ Bodypack Transmitter Fixed Swing Holder (BC-100 II)
- ❾ Contact Points (BC-100 II)
- ❿ Base Cover Latch
- ⓫ Base Cover
- ⓬ Transmitting Antenna (BC-100T II/BC-100DT II)
- ⓭ LCD Panel (BC-100T II/BC-100DT II)
- ⓮ Power Button (BC-24T II/BC-58T II/BC-100T II/BC-100DT II)
- ⓯ ACT Sync Window (BC-24T II/BC-58T II/BC-100T II/BC-100DT II)
- ⓰ MODE Button (BC-100T II/BC-100DT II)
- ⓱ SET Button (BC-100T II/BC-100DT II)
- ⓲ Battery Level Panel (BC-24T II/BC-58T II)
- ⓳ Battery Compartment (BC-24T II/BC-58T II/BC-100T II/BC-100DT II)

II. BC-24T II/BC-58T II/BC-100T II/ BC-100DT II Battery Insertion

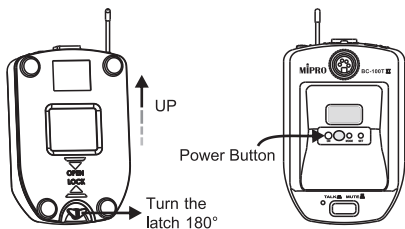
1. Turn Base Cover Latch ⑩ 180° to loosen the base cover. Push and slide down Base Cover ⑪ according.



2. Insert a charged 18500 type lithium battery according to its correct polarity.

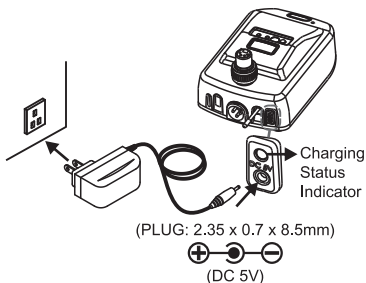


- Align and push up the Base Cover ⑪ and turn the latch ⑩ 180° for secured closure. Push and hold Power Button ⑭ for 2 second to power on.



4. How to Charge:

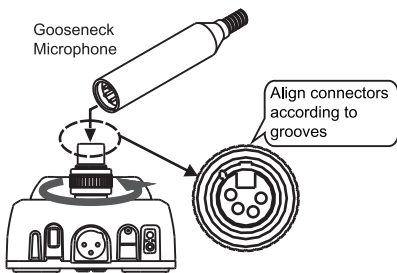
- Plug the charger into the Charging Connector ⑤ of the device and an AC outlet.
- Charging: still red indicator.
Fully charged: still green indicator.
- If the indicator doesn't glow after both ends are plugged in, check the rechargeable battery is inserted correctly.
- Be sure to use the supplied charger, and the input voltage should not be over the specified value.
- Caution: Turn off the power when the device is not in use. Remove the battery if the device will not be used for an extended period.
- Power off during charging.



III. BC-24T II/BC-58T II/BC-100T II/ BC-100DT II Operating Instructions

1. Gooseneck Microphone Installation:

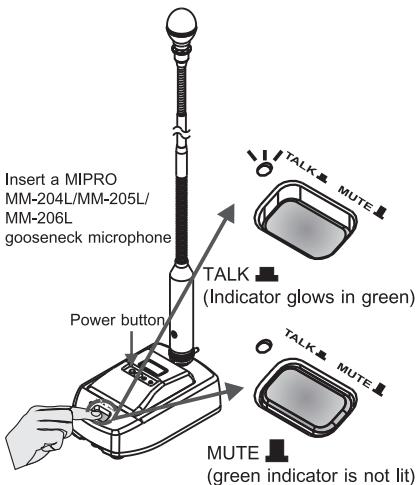
- Insert a MIPRO gooseneck microphone before power on to avoid potential noise.
- Align the connectors and insert the microphone properly and secure tightly by turning counterclockwise.
- Turn clockwise to loosen the microphone.



Conference Microphone Bases

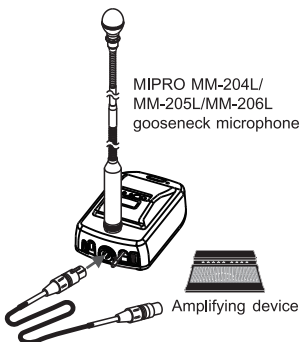
2. Wireless Installation with a Gooseneck Mic:

- (A) Insert the gooseneck microphone into the connector, and then power on. Press down the TALK button to speak (both the indicators on the base and gooseneck glow).
- (B) To mute, press the MUTE button.
- (C) After use, be sure to turn off the power.
Remove the battery if the device won't be used for an extended period.



3. Wired Installation with a Gooseneck Mic:

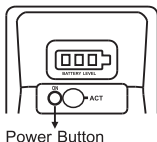
- (A) Connect the base and the amplifying device with an XLR to XLR cable (not supplied) provided phantom power XLR to XLR cable.
- (B) Press the TALK button to speak. The indicator glows. Press the MUTE button to mute. (Same operation as the wireless installation.)
- (C) Remove the cable if the device won't be used for an extended period.



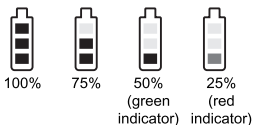
IV. Operating Instructions

1. BC-24T II/BC-58T II:

- (A) Power On/Off: Press & hold the power button for two seconds to power on or power off the device. The LED lights on after the device is powered on.



- (B) Battery level indicators: Recommend charging when single red indicator remains. Power shutdown automatically when battery voltage is too low.

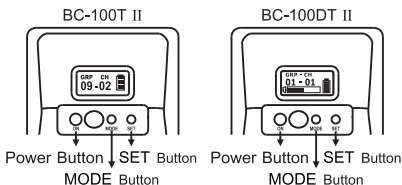


Conference Microphone Bases

2. BC-100T II/BC-100DT II :

(A) Power On/Off:

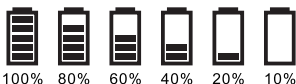
- (1) Press and hold the power button for two seconds to power on or power off the device.



- (2) The LCD screen display OFF... during powering off.

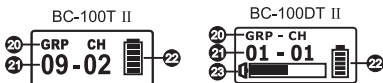
OFF...

- (B) Press MODE button **16** to access all the functions.
- (C) Press SET button **17** once to denote a change. Existing parameter starts flashing. Press SET button second time to change the programmed parameters.
- (D) Battery level indicators: Recommend charging once level falls to 10% and the screen flashes. Device will power off automatically with an OFF message once power level falls too low.



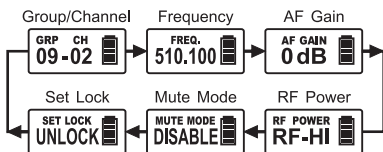
V. LCD and Operating Instructions

1. LCD Display:



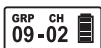
- | | |
|----------------------|----------------------------------|
| 20 Functions | 22 Battery Status |
| 21 Parameters | 23 Audio Signal Level Bar |

2. BC-100T II LCD:



(A) GRP (Group)/CH (Channel)/FREQ. (Frequency):

- (1) Group/Channel/Frequency messages are displayed only and cannot be changed.
- (2) To change Group/Channel/Frequency, do it at the receiver and then press ACT button to sync.



Group/Channel



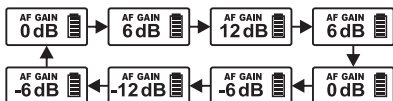
Frequency

- (3) For those specific channels set via PC, the screen shows only CHANNEL and numbers.



(B) AF Gain:

- (1) AF Gain can be changed from 12dB ~ -12dB, in 6dB steps.
- (2) The higher the AF Gain is, the lower the input signal of dynamic range will be and it will increase noise and feedback chances.
- (3) Set AF Gain to -12dB for electric guitar.
- (4) 0dB is the factory default setting.



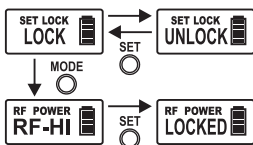
(C)RF POWER: Select RF-HI or RF-LOW.



(D)MUTE MODE: No function for this model.

(E)SET LOCK:

- (1) Select LOCK or UNLOCK.
- (2) LOCKED: Power button is locked and cannot be operated. The mute function is workable.
- (3) Press MODE button and press SET button to select UNLOCK to unlock the setting. After UNLOCK stops blinking, the unlock setting is confirmed and the power button lock will be canceled.



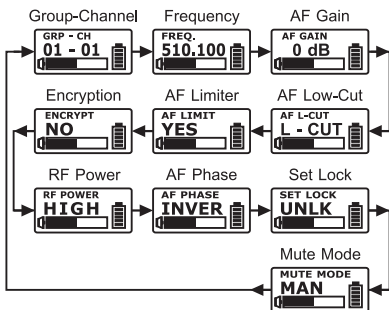
(F)Error Codes:

- (1) ERR no01 → EEPROM Channel wasn't programmed or internal data error.
- (2) ERR no02 → for testing only.
- (3) ERR no03 → the set frequency exceeds the upper band. The transmitter frequency will not be changed but it can be operated as long as the power switch is turned on again.
- (4) ERR no04 → the set frequency exceeds the lower band. The transmitter frequency will not be changed but it can be operated as long as the power switch is turned on again.

(G)GROUP CHANNEL: The preset frequency of the receiver.

(H)Displays "CHANNEL" only: User-defined frequency of receiver and needs to be changed via PC.

3. BC-100DT II LCD:



(A) GRP (Group) - CH (Channel)/FREQ. (Frequency):

- (1) Group/Channel/Frequency is synced from the receiver and cannot be changed.
- (2) To change Group/Channel/Frequency, do it at the receiver and then press ACT button to sync.



Group/Channel



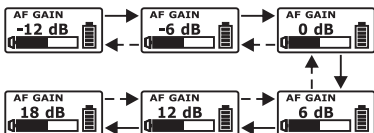
Frequency

- (3) The specific group and channel set via PC will display $\#\#\ - \#\#\$.



(B) AF GAIN:

- (1) AF Gain can be changed from -12dB ~ 18dB, in 6dB steps.
- (2) The higher the AF gain is, the lower the dynamic range for input signal will be and it will increase noise and feedback chances.
- (3) Set AF Gain to 0dB for electric guitar. The maximum input signal strength is $2V_{RMS}$ (6dBV).



(C) AF L-CUT:

- (1) Select L-CUT or FLAT.
- (2) L-CUT: the frequency response at 100Hz will decrease about 3dB with a slope of -6dB/Octave.



(D) AF LIMIT:

- (1) Select YES or NO.
- (2) YES: the maximum output of the receiver is limited to 1V.



(E) ENCRYPTION: Display Encryption Information.

The ENCRYPTION function must be set at the receiver first then using ACT to program the transmitter. (Refer to ENCRYPTION function of the receiver)



(F) RF POWER: Select HIGH or LOW.



(G) AF PHASE:

- (1) Select NORM or INVER. NORM is positive polarity; INVER is reverse polarity.
- (2) AF PHASE function provides users a phase selection for different condenser microphones. The normal setting is NORM, and INVER might be selected if a two-wire condenser microphone is used.



(H) SET LOCK:

- (1) Select UNLK or LOCK.
- (2) During LOCK mode, settings cannot be changed including power on / off. To power off, it must be under unlock mode (UNLK). A sudden loss of power will disable LOCK.
- (3) MUTE function can be operated normally under LOCK mode.



(I) MUTE MODE: No function for this model.

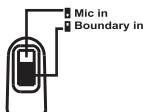
(J) Error codes:

- (1) ROM-ER → Channel wasn't programmed or internal data error.
- (2) ERROR1 → RF frequency targeting circuitry is failed.
- (3) NO---03 → the set frequency exceeds the upper band. The transmitter frequency will not be changed but it can be operated as long as the power switch is turned on again.
- (4) NO---04 → The set frequency exceeds the lower band. The transmitter frequency will not be changed but it can be operated as long as the power switch is turned on again.

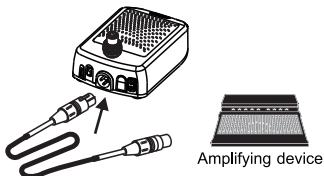
VI. BC-100 II Operating Instructions

1. Wired Boundary Microphone:

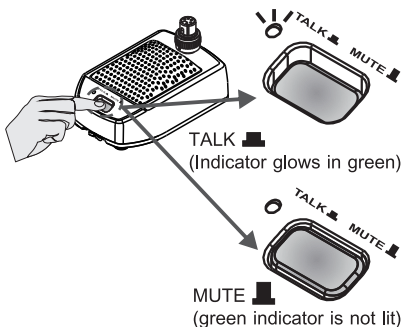
- (A) Switch the Microphone Selection Switch to the "Boundary in" position.



- (B) Connect the cable to the XLR connector of the amplifier/mixer which provides phantom power.



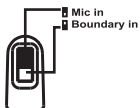
- (C) Press the TALK button and the indicator glows. Speak to the boundary mic.
(D) Press the MUTE button to mute.
(E) Disconnect if the XLR connector will not be used for an extended period.



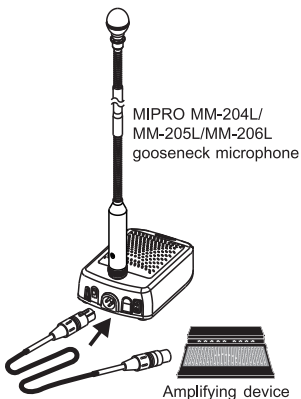
Conference Microphone Bases

2. Wired Installation with A Gooseneck Mic:

- (A) Switch the Microphone Selection Switch to "Mic in" position. Install a gooseneck mic.

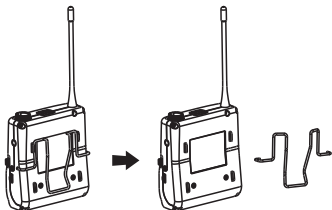


- (B) Connect the cable to the XLR connector of the amplifier/mixer which provides phantom power.
- (C) Same operation as the boundary microphone.
- (D) Disconnect if the XLR connector will not be used for an extended period.

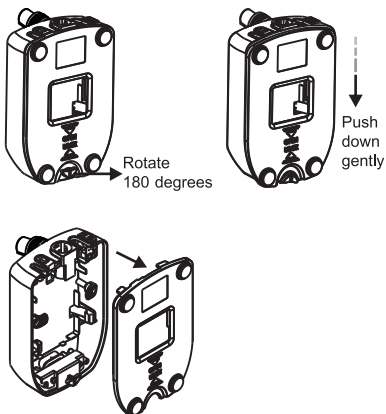


3. BC-100 II Insert Bodypack Transmitter Steps:

- (A) Remove the detachable & reversible bodypack clip located at the back of MIPRO bodypack transmitter before insertion.

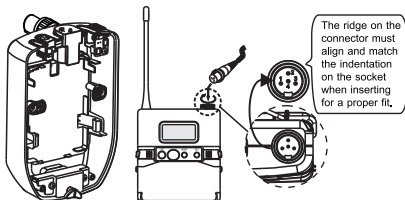


- (B) Rotate 180 degrees and push down according to the arrow to open bottom cover.

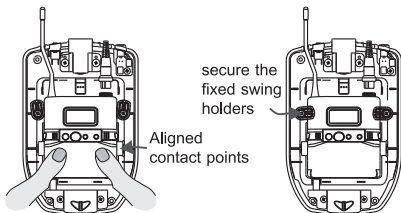


Conference Microphone Bases

- (C) Align and connect XLR connector to a MIPRO rechargeable bodypack transmitter before placing into the storage compartment.
- (D) * Forcing the bodypack transmitter into the storage compartment with the reversible bodypack clip may not be fit or function properly or damage the storage compartment.

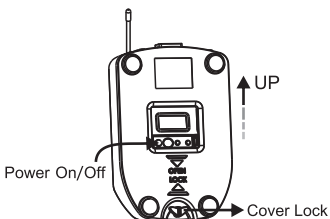


- (E) Insert bodypack transmitter gently into slot and secure by turning the fixed swing holder.
- (F) Ensure transmitter contact points are aligned and push down for a secured fit.



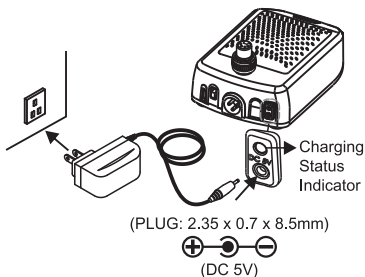
Conference Microphone Bases

- (G) Cover up and secured with the bottom cover by turning the cover lock.



4. How to Charge

- (A) Plug the charger into the Charging Connector ⑤ of the device and an AC outlet.
- (B) Charging: still red indicator. Fully charged: still green indicator.
- (C) If the indicator doesn't glow after both ends are plugged in, check the rechargeable battery is inserted correctly.
- (D) Be sure to use the supplied charger, and the input voltage should not be over the specified value.
- (E) Caution: Turn off the power when the device is not in use. Remove the battery if the device will not be used for an extended period.
- (F) Power off during charging.



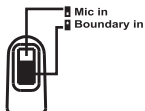
Conference Microphone Bases

5. Wireless Installation:

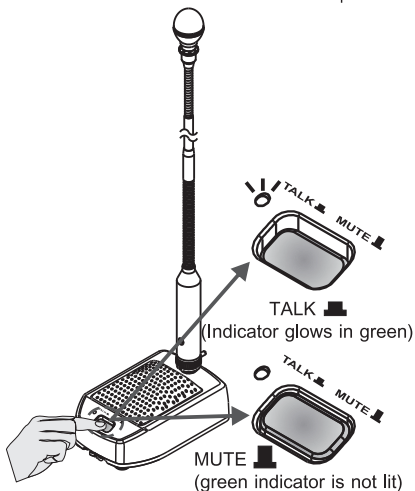
- (A) Switch the Microphone Selection Switch to the "Mic in" position. Install the bodypack transmitter and gooseneck microphone.



- (B) Switch the Microphone Selection Switch to the "Boundary in" position. Then speak to the boundary mic.



- (C) Press the TALK button and both the indicators on the base and the gooseneck mic glow. Speak to the gooseneck mic.
- (D) Press the MUTE button to mute.
- (E) After use, be sure to turn off the power. Remove the battery and power cord if the device won't be used for an extended period.



VI. Notes

1. Refer to the actual product in the event of product description discrepancy.
2. Frequency range and maximum deviation comply with the regulations of different countries.
3. Spraying alcohol directly onto the device will cause severe damage and invalidate the warranty.

Disposal



2009-08-18

Dispose of any unusable devices or batteries responsibly and in accordance with any applicable regulations.

Disposing of used batteries with domestic waste is to be avoided!

Batteries / NiCad cells often contain heavy metals such as cadmium(Cd), mercury(Hg) and lead(Pb) that makes them unsuitable for disposal with domestic waste. You may return spent batteries/ accumulators free of charge to recycling centres or anywhere else batteries/accumulators are sold.

By doing so, you contribute to the conservation of our environment!

Conference Microphone Bases

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 2 cm between the radiator and your body.

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

Conference Microphone Bases

The antennas used for this transmitter must be installed to provide a separation distance of at least 2 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

Industry Canada Statement

This device complies with Industry Canada RSS-247 standard. 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 uncontrolled environment. This equipment should be installed and operated with minimum distance 2 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 2 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 2 centimètre de toute personne et doit pas être co-située ni fonctionner en conjonction avec une autre antenne ou émetteur.

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MICROPHONE PROFESSIONALS



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