

UF-20DA/JSS-20/UF-20TB

UHF PLL 75MHz

寬頻純自動選訊系統產品使用說明書

UHF PLL 75MHz

Professional Wideband True Diversity System Product Manual

English/繁體中文

One year product warranty

產品1年保固服務書

Product Model 產品型號		Equipment serial number 機種型號	
Customer name 客戶名稱		Contact number 連絡電話	
Address 地址			
Purchase 購買日期			
Selling store stamp 銷售店章	Be sure to put store stamp and fill in purchase date for the warranty to be effective! 請務必蓋上店章及填上購買日期，保固始生效！		

Warranty description

1. Be sure to put the warranty label indicating purchase date on the bottom of equipment to ensure your interest in maintenance and service.
2. Product warranty, starting on the purchase date indicated on "warranty label", will last for one year; if the equipment does not have "warranty label", the warranty period is 15 months from the manufacturing date. If a microphone is broken but not sent back with the equipment, the warranty period is 15 months from the manufacturing date of the microphone.
3. Within the warranty period, if the equipment is broken under normal use as instructed in manual, please contact the original selling store for repair.
4. When the product is returned for repair, to facilitate proper determination of cause of malfunction and of whether repair fee is needed, please ship back the equipment and microphone together.
5. Within the warranty period, our company provides repair service at no cost except for the following conditions that parts and repair may be charged:
 - a. Damages due to natural disaster or irresistible outside forces.
 - b. Damages due to drop, water, moisture, corrosion, foreign objects, missing components.
 - c. The warranty does not cover consumable parts. (such as microphone capsule, ball grille etc.)
 - d. Those without "warranty label" on equipment or with "warranty label" being damaged and failing to identify warranty period.
6. Please keep the warranty properly. No replacement will be made if the warranty is missing.

保固服務說明

1. 請務必將保固標籤蓋上購買日期，並張貼於主機底部以確保您維修及服務的權益。
2. 產品保固期限，係依據貼於產品上的『保固標籤』上之購買日期起算一年；若主機上未張貼『保固標籤』，則依據產品之製造日起算15個月。若麥克風故障時，但未連同主機一併寄回時，則依據麥克風上標示之製造日算起15個月。
3. 機器在保固期限內，若按使用說明書之正常使用情況下發生故障，請與原銷售本產品之商店聯絡，以進行維修工作。
4. 將商品送回維修時，為利於正確判斷故障原因，以及維修收費與否之依據，敬請連同主機、麥克風一併送回商店。
5. 保固期內，本公司提供免費維修服務，但下列情況將酌收零件成本及維修費用：
 - a. 因天災或不可抗拒之外力而造成損害者。
 - b. 摔壞、浸水、受潮、腐蝕、異物侵入、遺失零組件而損壞者。
 - c. 消耗性零件不予保證 (例如麥克風音頭、鋼網等等)。
 - d. 主機上未張貼『保固標籤』，或『保固標籤』遭損毀致無法辨識保固期限者。
6. 本保證書請妥善保存，如有遺失，恕不另行補發。

INDEX

1. System operation instructions	1
2. Features	1
2-1 UHF PLL Wideband True Diversity Receiver // UF-20DA	1
2-2 UHF PLL Handheld Transmitter // JSS-20	1
2-3 UHF PLL Body-Pack Transmitter // UF-20TB	1
3. Specification	2
3-1 UHF PLL Wideband True Diversity Receiver // UF-20DA	2
3-2 Professional Wideband Handheld Transmitter // JSS-20	3
3-3 UHF PLL Body-Pack Transmitter // UF-20TB	3
3-4 Optional Charger For JSS-20 & UF-20TB	4
3-5 Optional Condenser Microphone	4
4. Parts Identification & Accessories	6
4-1 Buttons and LCD Displays Wideband True Diversity Receiver // UF-20DA	6
4-2 Buttons and LCD Displays of UHF PLL Handheld Transmitter // JSS-20	7
4-3 Buttons and LCD Displays of UHF PLL Body-Pack Transmitter // UF-20TB	8
4-4 Optional 2-Slot Charger/8-Slot Charger // CH-2/CH-8	9
4-5 Optional Condenser Microphone	9
4-6 Accessories	10
5. Connection method	11
5-1 Receiver connection method // UF-20DA	11
5-2 Cascading of AC power cable and antenna	11
6. Operation	12
6-1 Operation settings for Wideband True Diversity Receiver // UF-20DA	12
6-2 Handheld transmitter system operation setting // JSS-20	18
6-3 Body-pack transmitter system operation setting // UF-20TB	21
6-4 Installation of Condenser Microphones	24
7. Product notes	25
8. Important Notice	25

1. System operation instructions

- Before connecting to power, make sure the voltage marked on equipment is the same as that on the power socket.
- Do not place the equipment in damp and hot environment.
- Prior to operation, please dry your hands.
- Keep the equipment away from fire and heat source.
- Transmitter and receiver need to be adjusted to the same "default channel" or "frequency".
- Caution: The suitable environment for this product is with a temperature between -10°C (14°F) and +50°C (122°F).

2. Features

2-1 UHF PLL Wideband True Diversity Receiver // UF-20DA

- Dual Channel True Diversity Wireless Receiver with  **Dante™** Technology.
- UHF true diversity technology renders 200-480 meters of operation distance
- Maximum 2400 to 3000 selectable frequencies across 60 to 75 MHz
- Preset 15 groups each of up to 63 compatible channels
- User programmable 6 groups each of 64 channels
- Free space scan function
- JTS Patented obstacle-free RF **REMOSET™** function synchronizes a transmitter by pushing a button
- JTS LCX circuit design technology minimizes Companding noise
- The **REMOSET™** now sends not only the frequency data but also transmitter's RF power, sensitivity, low cut, key lock and user's name.
- RF "NO SIGNAL" alert function.
- AF "MUTE" alert function.
- Transmitter "LOW BATTERY" alert function.
- Built in equalizer
- Power and Antenna cascading output provided. (UF-20DA Only)

2-2 UHF PLL Handheld Transmitter // JSS-20

- 2400 to 3000 selectable frequencies
- Preset 15 groups each of up to 63 compatible channels
- Phase-Locked Loop (PLL) synthesized tune
- Extended dynamic range and smooth frequency response.
- Adjustable transmission power between Low and High
- The panel Lock-On function prevents tampering and RF interruption
- Low cut function.
- JTS newest development SAM-8WLN capsule assures outstanding acoustic performance while minimizes touching noise.
- Interchangeable capsule design for various choices including some classic capsule modules.
- It is designed with slot-in charging feature with two AA NiMH rechargeable batteries.

2-3 UHF PLL Body-Pack Transmitter // UF-20TB

- 2400 to 3000 selectable frequencies
- Preset 15 groups each of up to 63 compatible channels
- Phase-Locked Loop (PLL) synthesized tune
- Extended dynamic range and smooth frequency response.
- Adjustable transmission power between Low and High
- The panel Lock-On function prevents tampering and RF interruption
- Together with JTS various music instrument mics, headset mics and tie clip mics this bodypack is versatile for all applications.
- It is designed with slot-in charging feature with two AA NiMH rechargeable batteries.

3. Specification

3-1 UHF PLL Wideband True Diversity Receiver // UF-20DA

Frequency Preparation	PLL Synthesized Control
Frequency Setting	JTS patented obstacles-free RF REMOSET
Carrier Frequency Range	UHF 470~960MHz
Channel	Dual
Bandwidth	75MHz Wideband (MAX)
S/N Ratio	>108dB(A)
T.H.D.	<0.5%@1KHz
Chassis	1U standard metal chassis
Preset Channels/Group	*From group 1 ~ 15 up to 63 interference-free compatible channels. *844 preset channels/group and 3000 selectable frequencies across 60 to 75 Hz Bandwidth. *User programmable from U1 ~ U6 each of 64 channels reserved.
Display	LCD
Display Contents	Group, Channel, Frequency, Antenna A/B ,RF/AF Level Meter, Mute Display, Transmitter Battery Status, REMOSET ID Number, User Name, Squelch
EQ	Low cut, Hi freq Boost
Receiving Mode	True diversity
Audio Output Level	Maximum 6dBu
XLR AF Output Impedance	150/600Ω (mic/Line)
Frequency Response	50Hz~18kHz, with high-pass filter
Volume Adjustwnt	0~-50dB
Squelch	Pilot Tone & Noise Mute
Power Supply	100~240V or 12V DC
Output Connector	2 XLR Balanced Socket 2 Ø6.3mm Balanced phone jack
Network Interface	Dual Port Ethernet, Dante Digital Audio
Dimension	480mm(W)x45mm(H)x260mm(D)
Weight	2.9kg
Note	Actual product specifications may vary depending on region.

3-2 Professional Wideband Handheld Transmitter // JSS-20

Frequency Preparation	PLL Synthesized Control
Carrier Frequency Range	UHF 470~960 MHz
Bandwidth	75MHz Wideband (MAX)
RF Outputs	Low / High
Stability	<0.005%
Frequency Deviation	±48KHz (Peak)
LCD Display	Group, Channel, Frequency, Battery Status, RF Power, Sensitivity, Device ID, User Name, Low Cut
Controls	Power ON/OFF, Frequency, Group, Sensitivity, Low Cut, Device ID, Remoset, RF Power, Contrast, Light Time, User Name, Reset, KeyLock, Mute, Reset
Spurious Emissions	<-50 dBC
Audio Frequency Response	50Hz~18k Hz
Capsule Module	Interchangeable
Battery	AA NiMH x2
Dimension	50mm(W)x253mm(H)x35.5mm(D)
Weight	350g
Note	Actual product specifications may vary depending on region.

3-3 UHF PLL Body-Pack Transmitter // UF-20TB

Frequency Preparation	PLL Synthesized Control
Carrier Frequency Range	UHF 470~960 MHz
Bandwidth	75MHz Wideband (MAX)
RF Outputs	Low / High
Stability	<±10KHz
Frequency Deviation	±48KHz (Peak)
Chassis	Aluminium alloy
LCD Display	Group, Channel, Frequency, Battery Status, RF Power, Sensitivity, Device ID, User Name, Low Cut
Controls	Power ON/OFF, Frequency, Group, Sensitivity, Low Cut, Device ID, Remoset, RF Power, Contrast, Light Time, User Name, Reset, KeyLock, Mute, Reset, Attenuate
Input Connector	4P Mini XLR
Spurious Emissions	<-50 dBC
Audio Frequency Response	50Hz~18k Hz
Battery	AA NiMH x2
Dimension	62mm(W)x80.3mm(H)x22.6mm(D)
Weight	93g
Note	Actual product specifications may vary depending on region.

3-4 Optional Charger For JSS-20 & UF-20TB

Model No	CH-2 (2-Slot Charger)	CH-8 (8-Slot Charger)
Input	AC 100~240V, 0.4A max	AC 100~240V, 1.2A max
Output	DC 12V, 1A	DC 15V, 3A

3-5 Optional Condenser Microphone

Lavaliere Microphone

Model No	CM-501Hi	CM-201i	CM-125i
Connector	4P Mini XLR	4P Mini XLR	4P Mini XLR
Frequency Response	100~15,000 Hz	60~15,000 Hz	50~18,000 Hz
Polar Pattern	Cardioid	Omni-directional	Omni-directional
Sensitivity (at 1000Hz)	-54±3 dB	-60±3 dB	-53±3 dB
Impedance	3.7kΩ	2.2kΩ	4.4kΩ
Max. SPL for 1% THD	115dB	130dB	130dB
Dimension	Ø10.1mm(W)x26.4mm(H)	Ø5mm(W)x 9mm(H)	Ø4mm(W)x11mm(H)
Net Weight	21.5g	20.7g	7g (cable excluded)

Headset Microphone

Model No	CM-214i	CM-214Ui	CM-214ULi
Connector	4P Mini XLR	4P Mini XLR	4P Mini XLR
Frequency Response	60~15,000 Hz	30~18,000 Hz	100 ~ 18,000Hz
Polar Pattern	Omni-directional	Cardioid	Cardioid
Sensitivity (at 1000Hz)	-60±3 dB	-68±3 dB	-65±3 dB
Impedance	1.8kΩ	680Ω	1.8kΩ
Max. SPL for 1% THD	130dB	130dB	120dB
Dimension	125mm(W) x 34mm(H) x157mm(D)	125mm(W) x 134mm(H) x157mm(D)	125mm(W) x 134mm(H) x157mm(D)
Net Weight	32.9g	38.4g	18g (cable excluded)

Model No	CM-235i	CX-504
Connector	4P Mini XLR	4P Mini XLR
Frequency Response	50~18,000 Hz	30~18,000 Hz
Polar Pattern	Omni-directional	Cardioid
Sensitivity (at 1000Hz)	-53±3 dB	-68±3 dB
Impedance	1.8kΩ	680Ω
Max. SPL for 1% THD	130dB	130dB
Dimension	155mm(W) x 134mm(H) x 157mm(D)	285mm(W) x 55mm(H) x 111.3mm(D)
Net Weight	17g (cable excluded)	56.3g

Ear-hook Microphone

Model No	CM-801	CM-804i	CM-8015	CM-825i
Connector	4P Mini XLR	4P Mini XLR	4P Mini XLR	4P Mini XLR
Frequency Response	60~15,000 Hz	60~15,000 Hz	50~18,000 Hz	50~18,000 Hz
Polar Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Sensitivity (at 1000Hz)	-64±3 dB	-64±3 dB	-53±3 dB	-53±3 dB
Impedance	1.8kΩ	1.8kΩ	1.8kΩ	1.8kΩ
Max. SPL for 1% THD	130dB	130dB	130dB	130dB

Compatible Instrument Microphone

Model No	CX-500	CX-500F	CX-520
Connector	4P Mini XLR	4P Mini XLR	4P Mini XLR
Frequency Response	20~20,000 Hz	20~20,000 Hz	50~16,500 Hz
Polar Pattern	Omni-directional	Omni-directional	Supercardioid
Sensitivity (at 1000Hz)	-58±3dB	-58±3dB	-78±3dB
Impedance	1.5kΩ	1.5kΩ	600Ω
Max. SPL for 1% THD	130 dB	130 dB	148 dB
Good For	Violin	Flutes	Harmonica

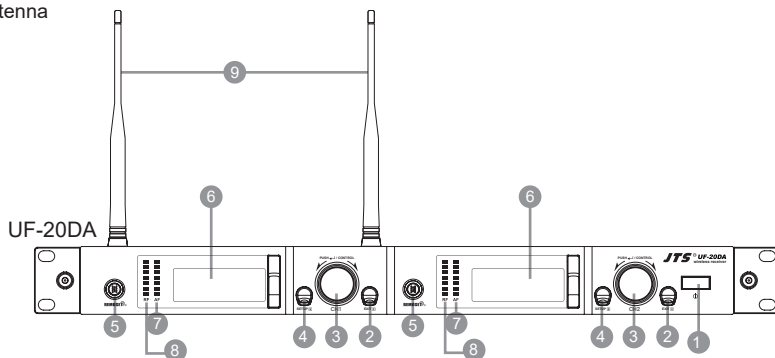
Model No	CX-608(W)	CX-516W
Connector	4P Mini XLR	4P Mini XLR
Frequency Response	50~18,000 Hz	30~18,000 Hz
Polar Pattern	Cardioid	Cardioid
Sensitivity (at 1000Hz)	-67±3 dB	-67±3 dB
Impedance	220Ω	220Ω
Max. SPL for 1% THD	130 dB	130 dB
Good For	Winds	Accordion

4. Parts Identification & Accessories

4-1 Buttons and LCD Displays Wideband True Diversity Receiver // UF-20DA

4-1-1 Front panel

- ① Power : Power on: Push the Power button to turn on
Power off: Push and hold the Power button until "Power Off" shows on the LCD
- ② EXIT key: Push EXIT to cancel the selection and exit the menu when the UF-20DA is in the "Setting Menu."
- ③ Rotary switch: When in the "Function Setting Menu," the rotary switch allows the selection of the desired functions up and down; push the rotary switch (or the SETUP) to enter the selection, rotate the switch to select the desired setting and push SETUP to save it.
- ④ SETUP: Push and hold for 2 seconds to enter the "Setting Menu;" when the selection and setting is done with [3. Rotary Switch], push SETUP to save the setting.
- ⑤ REMOSET: When the setting is done on the receiver, push REMOSET to transmit the settings to the handheld or body-pack transmitter.
- ⑥ LCD display: See [4-1-2 Description of receiver LCD display].
- ⑦ AF indication: shows the strength of current audio signal.
- ⑧ RF indication: shows the strength of current radio signal.
- ⑨ Antenna



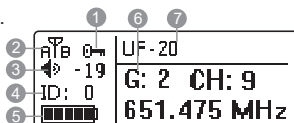
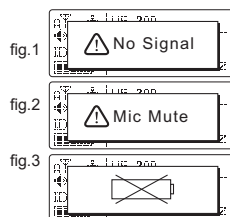
4-1-2 Description of receiver LCD display

Display color:

- Red: 1. No RF signal is received from any transmitter (fig.1),
and the LCD shows:
2. Transmitter on mute (fig.2).
3. Transmitter battery low (fig.3).

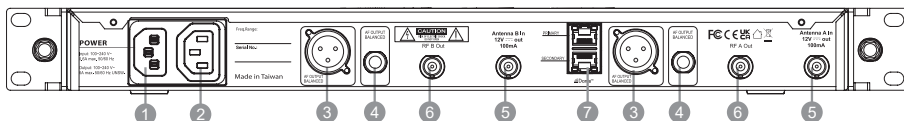
Orange: RF and AF signals are received from transmitters.

- ① : Panel Lock On activated on receiver.
- ② : It indicates antenna A or B is receiving signal; is shown when no signal is received from a microphone.
- ③ -19 : receiver volume.
- ④ ID: 0 : device ID: from 0 to 255.
- ⑤ : transmitter battery level, MUTE is shown when no signal is received from transmitter or the transmitter is mute.
- ⑥ G: the current group in use; from 1 to 15
CH: the current channel in use, up to 63
Frequency: the current frequency in use
- ⑦ User's Name (defined in the username setting in the menu)



4-1-3 Back panel // UF-20DA

- ① POWER: AC power, 100 ~ 240VAC
- ② AC power outlet (for cascading): it allows power connection to next receiver with an extension AC power cable.
- ③ AF OUTPUT BALANCED: XLR balanced audio output jack
- ④ AF OUTPUT BALANCED: Ø6.3mm balanced audio output jack
- ⑤ Antenna A (or B) In: antenna input (or antenna booster jack + 12VDC/150mA); it connects to antenna or antenna booster through a BNC signal cable.
- ⑥ RF A (or B) Out: RF signal output socket (for cascading): Provide RF signal to next receiver.
- ⑦ Donte

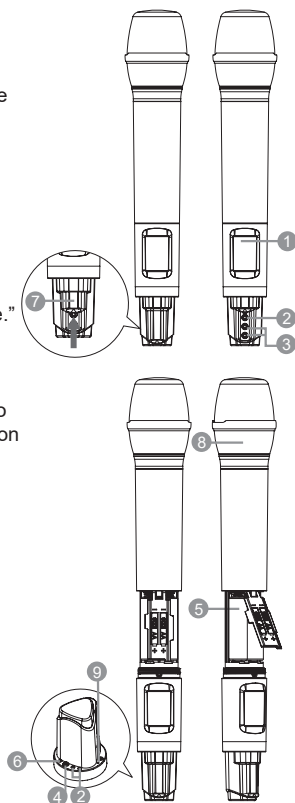


4-2 Buttons and LCD Displays of UHF PLL Handheld Transmitter // JSS-20

4-2-1 Panel functions

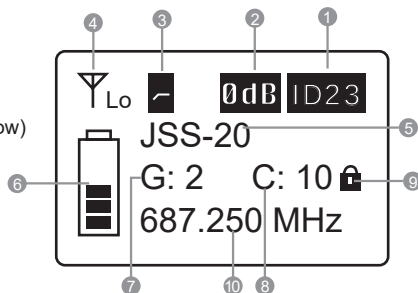
- ① LCD display
- ② SET: set and save handheld transmitter
- ③ ▲/▼: up and down buttons to select the desired function of the handheld device.
- ④ Power
 - (1) Handheld transmitter on
Power on: push the Power button.
Power off: push and hold the power button for one second till the display shows "Power Off."
 - (2) Mute: the handheld transmitter is in use (with main screen on display)
To mute: Short push the power button display "to activate mute."
To cancel: Short push the power button display again "to deactivate mute."
 - (3) Exit Setting Menu:
Already in the Setting Menu: push the power button to return to main screen. Already in a function setting: push the power button to return to the Setting Menu and again to return to the main screen.
- ⑤ Battery tray
- ⑥ Recharging jack: for power charging (Charger is optional)
- ⑦ Slide cover
- ⑧ Ball grille
- ⑨ LED status display

Green: power on
Blue: Remoset transmitting (approximately 5 seconds)
Red: battery low
Flashing red: mute
Flashing red/green: battery low and mute



4-2-2 Description of LCD display

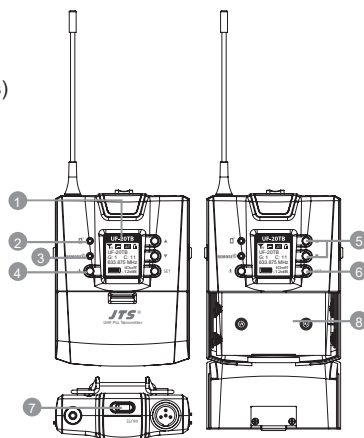
- ① Device ID: from 0 to 255
- ② Sensitivity: -15dB ~ +15dB
- ③ Low Cut indication
- ④ Transmission Power: Hi (High) and Lo (Low)
- ⑤ User name
- ⑥ Battery level: in 5 levels
- ⑦ G: the group in use, from 1 to 15
- ⑧ CH: the channel in use, up to 63
- ⑨ Lock On Statue
- ⑩ Frequency: it shows the RF frequency



4-3 Buttons and LCD Displays of UHF PLL Body-Pack Transmitter // UF-20TB

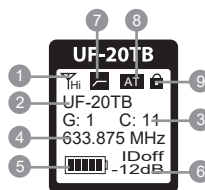
4-3-1 Panel functions

- ① LCD display
- ② Battery status: Red: battery low; replace battery
- ③ REMOSET indicators:
Blue: Remoset transmitting (approximately 5 seconds)
- ④ Power:
(1) On: push the power button
Off: push and hold the power button for 2 seconds till the display shows "Power Off."
(2) Exit Setting Menu: when in the Setting Menu, push the power button to return to the main screen.
- ⑤ ▲/▼: up and down buttons for selection
- ⑥ SET: to set and save
- ⑦ Mute Switch / LED Indicator :
(1) Show green light when power is on.
(2) Show red light when battery level is too low.
(3) Flash red light when switch to "MUTE" function to mute the transmitter.
(4) Flash red light and green light when mute function is on and battery level is too low.
- ⑧ Battery tray



4-3-2 Description of LCD display

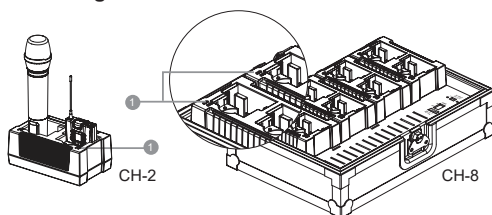
- ① Transmission Power: Hi (High) and Lo (Low)
- ② User Name
- ③ Indicate current Group and current Channel
- ④ Frequency: it shows the RF frequency
- ⑤ Battery level: in 5 levels
- ⑥ Sensitivity Value
- ⑦ Low Cut indication
- ⑧ Attenuate Indication
- ⑨ Lock On Statue



Note: For screen display and operation please refer to "6-3 System operation setup for Body-Pack transmitter".

4-4 Optional 2-Slot Charger/8-Slot Charger // CH-2/CH-8

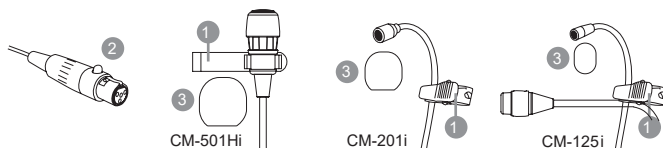
- ① LED Indicator
- Full Charged / Standby: Green
- Charging: Flash Green
- Fault: Flash Red
- Charging Time: 3 hours



4-5 Optional Condenser Microphone

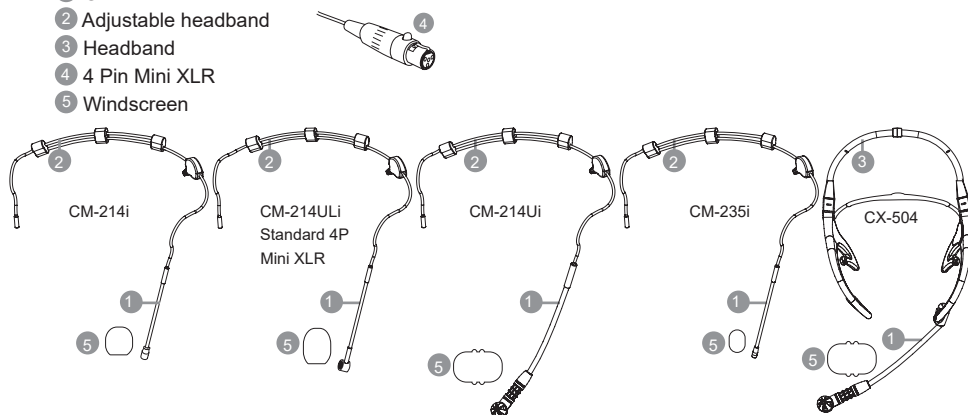
Lavaliere Microphone // CM-501Hi/CM-201i/CM-125i

- ① Clip
- ② 4 Pin Mini XLR
- ③ Windscreen



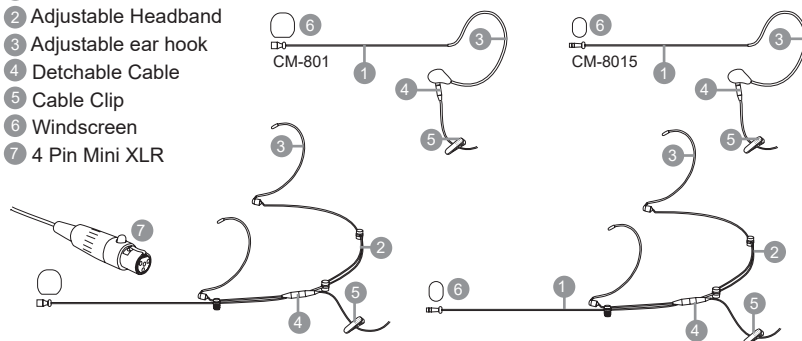
Headset Microphone // CM-214i/CM-214Ui/CM-214ULi/CM-235i/CX-504

- ① Gooseneck
- ② Adjustable headband
- ③ Headband
- ④ 4 Pin Mini XLR
- ⑤ Windscreen



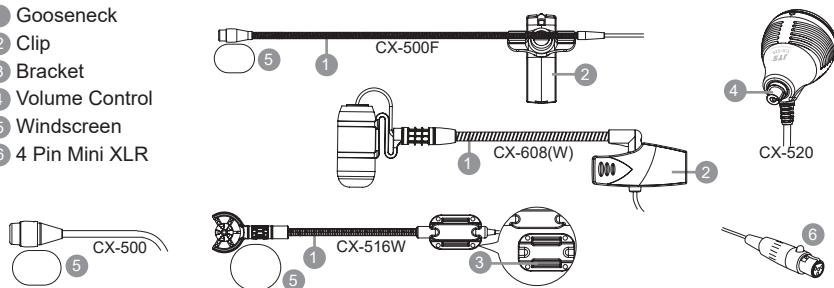
Ear-hook Microphone // CM-801/CM-804i/CM-8015/CM-825i

- ① Boom
- ② Adjustable Headband
- ③ Adjustable ear hook
- ④ Detchable Cable
- ⑤ Cable Clip
- ⑥ Windscreen
- ⑦ 4 Pin Mini XLR



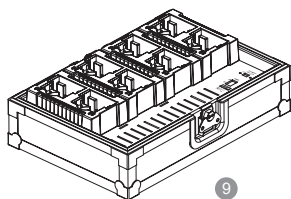
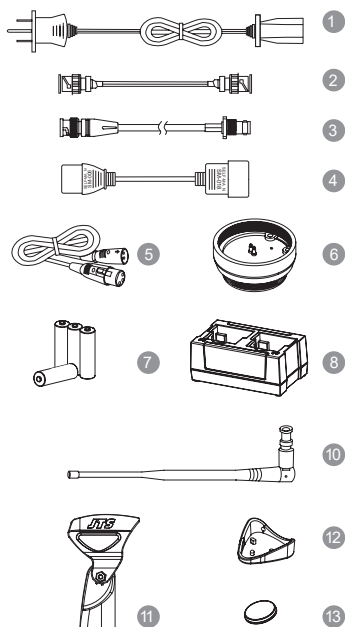
Compatible Instrument Microphone // CX-500/CX-500F/CX-520/CX-608(W)/CX-516W

- ① Gooseneck
- ② Clip
- ③ Bracket
- ④ Volume Control
- ⑤ Windscreen
- ⑥ 4 Pin Mini XLR



4-6 Accessories

- ① AC power cable * 1
- ② BNC/BNC RF extension cable for cascading * 2
- ③ Front antenna signal cable **Option**
- ④ Extension AC power cable for series connection * 1
- ⑤ XLR(M)/XLR(F) Audio cable * 2
- ⑥ MA-935 Capsule adaptor **Option**
- ⑦ Rechargeable battery **Option**
(4 or 16 batteries will be included when purchase CH-2 or CH-8 charger)
- ⑧ CH-2 double-slot charger **Option**
- ⑨ CH-8 8-slot charger **Option**
- ⑩ Antenna * 2
- ⑪ MH-56 Microphones Holder * 2
- ⑫ Color ID housing * 7
- ⑬ Rubber Feet Pad * 4



5. Connection method

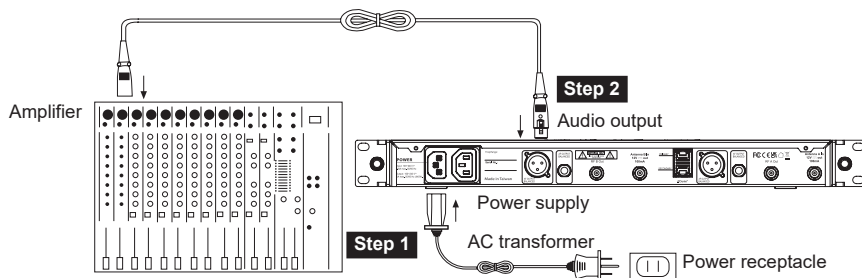
5-1 Receiver connection method // UF-20DA

1. UF-20 output to a mixer or an amplifier:

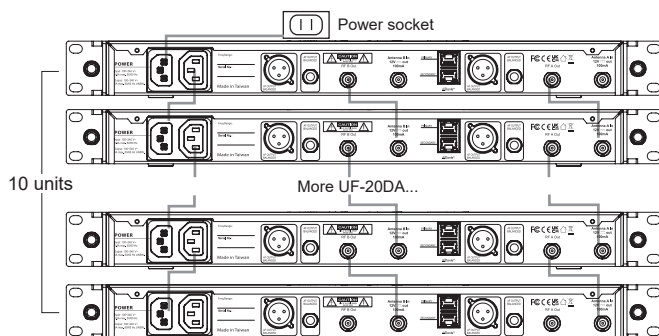
Audio cable: XLR or Ø 6.3mm audio cable, one end connects to audio output of UF-20DA "AF OUTPUT BALANCED", while the other end connects to audio input of a mixer or an amplifier.

2. Connect to power:

Connect to AC outlet: one end connects to receiver "power input", while the other end connects to AC power receptacle.



5-2 Cascading of AC power cable and antenna



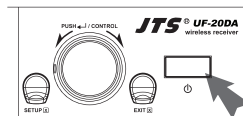
It is allowed to cascade power and antennas for 10 units.

6. Operation

6-1 Operation settings for Wideband True Diversity Receiver // UF-20DA

6-1-1 Turn the receiver power on.

1. Install the receiver antenna.
2. Push the power button to turn the power on
3. To turn off: push and hold the power button till the display shows "Power Off."



6-1-2 REMOSET function:

1. Push the REMOSET button (Fig. 1) and the blue indicator (Fig. 2) starts to flash, indicating the receiver is transmitting data.

Note: When using the REMOSET function of UF-20DA, it is recommended to carry out REMOSET one by one. This is to prevent the interference between the REMOSET signals and the failure of data transmitting.

2. REMOSET successful: the blue indicator on the transmitter is on for 3 seconds and that on the receiver stops flashing.
3. REMOSET failed: Check the following when the blue indicator on the receiver flashes in a slow pace:
 - (1) If the receiver and the transmitter are of the same frequency band.
 - (2) The "RemoSet Function" on in the function menu of Transmitter is "activated;"
 - (3) The "Device ID" is the same on both the receiver and transmitter.
 - (4) The transmitter battery is low (synchronization is not possible if it is too low).

Note1: For receiver settings, please see: "6. Device ID" and "7. Microphone Setting" of 6-1 Operation settings for Wide band True Diversity Receiver.

Note2: For handheld transmitter settings, please see: "5. Device ID" and "6. RemoSet Function" of 6-2 Operation settings for handheld transmitter system.

Note3: For body-pack transmitter settings, please see: "5. Device ID" and "6. RemoSet Function" of 6-3 Operation settings for body-pack transmitter system.

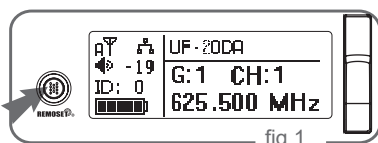


fig.1

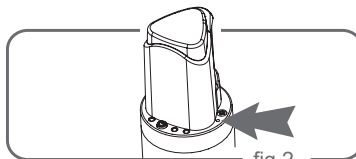


fig.2

6-1-3 Menu setting

Push and hold the SETUP button for 2 seconds to enter the menu.

1. Turn the rotary switch clockwise or counterclockwise to select the desired function. Push the switch (or the SETUP button) to enter the setting screen. Push EXIT to return to the main menu if nothing is done.
2. In the setting screen, turn the rotary switch to the desired value or function, and push SETUP to save the setting.
3. EXIT: return to main menu or main screen; no saving or modification of settings is made; push EXIT once to return to the menu and again to return to the main screen.

1. Frequency : this is to define the frequency.

- (1) Rotate the rotary switch to "1. Frequency" Push the rotary switch (or SETUP) to enter the frequency adjustment screen.
- (2) Adjust the left three digits of frequency: rotate the switch [+/-] in steps of 1MHz. Push the rotary switch to save the selected value.
- (3) Adjust the right three digits of frequency: rotate the switch [+/-] in steps of 0.025MHz. Push the rotary switch to save the selected value.

Note: you may select to adjust the left or right part of frequency by pushing the rotary switch.

M	1. Frequency
E	2. Group/Channel
N	3. User Group
U	4. Scan
Setup Frequency	
687.250 MHz	
G: 1 CH: 1	

2. Group/Channel : this is to define groups and channels.

- (1) Rotate the rotary switch to "2. Group/ Channel." Push SETUP (or the rotary switch) to enter the setting screen.
- (2) Rotate the switch to select a group "G:" from 1 to 15. Push the rotary switch to save the selected value.
- (3) Rotate the switch to select a channel "CH:" from up to 63 channels. Push the rotary switch to save the selected value.

Note: you may select to adjust the group or channel by pushing the rotary switch.

M	1. Frequency
E	2.Group/Channel
N	3.User Group
U	4. Scan
Setup Group	
G: 2 CH: 10	
633.625MHz	

3. User Group: groups and channels defined by user

- (1) Rotate the rotary switch to "3. User Group." Push the rotary switch (or SETUP) to enter the setting screen.
- (2) Custom Group: the user is to define a group
 - (1. Rotate the rotary switch to "1. Custom Group." Push the rotary switch to enter the setting screen.

(2. For "every push" of the rotary switch, the display jumps from group (G), channel (CH) to frequency (the left or right three digits): when the frequency shows "----.---MHz," it means that this channel (G/CH) is not in use.

(3.Rotate the rotary switch to select the group, channel or frequency for setting; push SETUP to save the setting.

- (3) Clear Group: delete a group defined by user
 - (1. Rotate the rotary switch to "2. Clear Group." Push the rotary switch to enter the "Clear Group" screen.
 - (2. Rotate the rotary switch to select the group to be deleted and push the rotary switch. Select "Confirm" and all the channels and frequencies of that group is returned to "----.---MHz." Select confirm or cancel and push the rotary switch.

- (4) Return: return to main menu
Rotate the rotary switch to "3. Return," and push the switch to return to the main menu.

M	1. Frequency
E	2.Group/Channel
N	3.User Group
U	4. Scan
1. Custom Group	
2. Clear Group	
3. Return	
Setup User Group	
G: U1 CH: 1	
624.000 MHz	
Setup User Group	
G: U1 CH: 1	
- - - - - MHz	

1. Custom Group	
2. Clear Group	
3. Return	
Group: U1	
Rotary to select	
Push "Enter" to clear	
Push "Exit" to return	
Group "U1" will be cleared continues?	
☒ Yes ☐ NO	
1. Custom Group	
2. Clear Group	
3. Return	

4. Scan: scan for channels

- (1) Rotate the rotary switch to "4. Scan." Push the rotary switch (or SETUP) to enter the channel scanning screen.
- (2) All Groups: scan all groups
 - (1. Rotate the rotary switch to "1. All Groups." Push the rotary switch (or SETUP) to enter the menu.

(2. Enter the "All Groups" (push EXIT to go back up a level) and push the rotary switch to scan.

(3. The progress in % is shown on the screen during the scanning. To stop scanning, just push EXIT.

M	1. Frequency
E	2.Group/Channel
N	3.User Group
U	4. Scan
1. All Groups	
2. Result List	
3. Current Group	
4. Return	
Scan All Groups	
Press Setup or Enter to start scan.	
Press Exit to quit.	

(4. The display goes to the "2. Result List" screen automatically after the scanning is completed. User may select the list in the menu.

The user may view the scan result in the screen. Rotate the rotary switch to select an available channel. Push SETUP to save settings.

- (3) Result List: view the scan result list
Rotate the rotary switch to "2. Result List." Push the rotary switch and enter the menu screen to view the result. Select an available channel and push SETUP to save the settings.

- (4) Current Group: scan a single group
(1. Rotate the rotary switch to "3. Current Group." Push the rotary switch to enter the menu screen.
(2. Push the rotary switch to start scanning a single group.
(3. The display shows OK after scanning; for "every push" of the rotary switch, the unit starts to scan the next group. Select and push SETUP to save the setting. Push EXIT to go back to the previous level.

- (5) Return: return to main menu
Rotate the rotary switch to "4. Return." Push the rotary switch to return to the main menu.

Scan All Groups	
Scanning...	2%

1. All Groups
2. Result List
3. Current Group
4. Return

Scan Result List	
G: 1	CH: 1
Open Channel : 48	

1. All Groups
2. Result List
3. Current Group
4. Return

Scan Current Group	
G: 1	CH:1

Scan Current Group	
G: 1	CH: 1 OK
Press Setup to Save.	

1. All Groups
2. Result List
3. Current Group
4. Return

5. Squelch: adjust the receiver sensitivity

- (1) Rotate the rotary switch to "5. Squelch." Push the rotary switch (or SETUP) to enter the adjustment menu.
- (2) Rotate the rotary switch to adjust the sensitivity. 0dB is the standard value. Push SETUP to save the setting. The higher the value, the lower the receiver sensitivity, and the lower the value, the higher the receiver sensitivity.

M	5. Squelch
E	6. Device ID
N	7. Mic Config
U	8. Volume
Setup Squelch	
0	

6. Device ID: define the ID code of device

- (1) Rotate the rotary switch to "6. Device ID." Push the rotary switch (or SETUP) to enter the ID setting menu.
- (2) Rotate the rotary switch to select the ID from 0-255; push SETUP to save the setting.

Note1: This setting determines the use of REMOSET. The receiver and transmitter must have the same "device ID" in order to use REMOSET.

Note2: this is not a problem if the microphone ID is not activated.

M	5. Squelch
E	6. Device ID
N	7. Mic Config
U	8. Volume
Setup Device ID	
23	[0~255]

7. Mic Config: Adjust the REMOSET setting of transmitter.

- (1) Rotate the rotary switch to "7. Mic Config." Push the rotary switch (or SETUP) to enter the adjustment menu.

- (2) Sensitivity

- (1. Rotate the rotary switch to "1. Sensitivity." Push the rotary switch (or SETUP) to enter the adjustment menu.
- (2. Rotate the rotary switch to select and set the value. Push SETUP to save the setting; range: -15dB - +15dB

- (3) Attenuate: it sets the attenuation of microphone input volume from body-pack transmitter.

- (1. Rotate the rotary switch to "2. Attenuate." Push the rotary switch (or SETUP) to enter the adjustment menu.
- (2. Rotate the rotary switch to activate or deactivate. Push SETUP to save the setting.

Note: this is not supported by handheld transmitters.

- (4) Low Cut: base attenuation

- (1. Rotate the rotary switch to "3. Low Cut." Push the rotary switch (or SETUP) to enter the adjustment menu. The Low Cut is not set.
- (2. Rotate the rotary switch one notch clockwise to select Low Cut . Push SETUP to save the setting.

- (5) RF Power: RF frequency

- (1. Rotate the rotary switch to "4. RF Power" Push the rotary switch (or SETUP) to enter the adjustment menu.
 - (2. Rotate the rotary switch to select RF Power.
- High → high RF Power
Low → low RF Power
Push SETUP to save the setting.

- (6) KeyLock

- (1. Rotate the rotary switch to "5. KeyLock." Push the rotary switch (or SETUP) to enter the adjustment menu.
- (2. Rotate the rotary switch to select lock or unlock. Push SETUP to save the setting.

- (7) Remoset Config: to select or unselect REMOSET settings.

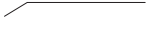
- (1. Rotate the rotary switch to "6. Remoset Config." Push the rotary switch (or SETUP) to enter the setting menu.
 - (2. Rotate the rotary switch to select and push the switch to check the selection; REMOSET only synchronizes on checked selections.

☐ Low Cut	☐ UserName
☐ Frequency	☐ Save and Exit
☐ Sensitivity	☐ Key lock
☐ Attenuate	☐ Exit Without Save
- Select and push SETUP to save the settings.

Note: At least one item must be selected.

- (8) Return: to main menu

- Rotate the rotary switch to "7. Return" and push the switch to return to main menu.

M	5. Squelch
E	6. Device ID
N	7. Mic Config
U	8. Volume
1. Sensitivity	
2. Attenuate	
3. Low Cut	
4. RF Power	
Mic Sensitivity	
0 dB	
1. Sensitivity	
2. Attenuate	
3. Low Cut	
4. RF Power	
Mic Attenuate	
☐ ON	
☐ OFF	
1. Sensitivity	
2. Attenuate	
3. Low Cut	
4. RF Power	
Mic Low Cut	
	
Mic Low Cut	
	
1. Sensitivity	
2. Attenuate	
3. Low Cut	
4. RF Power	
Mic RF Power	
☐ High	
☐ Low	
4. RF Power	
5. KeyLock	
6. Remoset Config	
7. Return	
Mic KeyLock	
☐ Lock ON	
☐ Lock OFF	
4. RF Power	
5. KeyLock	
6. Remoset Config	
7. Return	
4. RF Power	
5. KeyLock	
6. Remoset Config	
7. Return	

8. Volume: volume adjustment

- (1) Rotate the rotary switch to "8. Volume." Push the rotary switch (or SETUP) to enter the volume adjustment menu.
- (2) Rotate the rotary switch to locate the desired volume from Mute, -50dB to 0dB. Push SETUP to save the setting.

M	5. Squelch
E	6. Device ID
N	7. Mic Config
U	8. Volume
Setup Volume	
-10dB	

9. Equalizer: equalizer settings

- (1) Rotate the rotary switch to "9. Equalizer." Push the rotary switch (or SETUP) to enter the setting menu.
- (2) Rotate the rotary switch to select one of the following:
 - Equalizer deactivated (fig.1)
 - Decrease low frequency gain (fig.2)
 - Increase high frequency gain (fig.3)
 - Decrease low frequency gain and increase high frequency gain (fig.4)
 Push SETUP to save the setting.

M	9. Equalizer
E	a. Output Level
N	b. Antenna Power
U	c. User Name

Setup Equalizer 1	Setup Equalizer 2
Setup Equalizer 3	Setup Equalizer 4

a. Output Level: XLR audio output level setting

- (1) Rotate the rotary switch to "a. Output Level." Push the rotary switch (or SETUP) to enter the setting menu.
- (2) Rotate the rotary switch to choose line or mic level:
When "Mic." is selected, the volume of XLR audio output drops by "-20dB." Push SETUP to save the setting.

M	9. Equalizer
E	a. Output Level
N	b. Antenna Power
U	c. User Name
Output Level	
☐ Line	
☒ Mic.	

b. Antenna Power: power settings for antenna booster (for antenna A (or B) IN jack)

- (1) Rotate the rotary switch to "b. Antenna Power." Push the rotary switch (or SETUP) to enter the setting menu.
- (2) Rotate the rotary switch to select:
ON: voltage output +12VDC
OFF: voltage output 0V
Push SETUP to save the setting.

M	9. Equalizer
E	a. Output Level
N	b. Antenna Power
U	c. User Name
Antenna Power	
☐ ON	
☐ OFF	

c. User Name: user name settings

- (1) Rotate the rotary switch to "c. User Name." Push the rotary switch (or SETUP) to enter the setting menu.
- (2) Rotate the rotary switch to select the desired characters. Push the rotary switch to confirm the selection, and the screen jumps to the next character to be selected. Select "blank" for positions where no character is needed. Push SETUP to save the setting. The user name could contain up to 10 characters. Push SETUP to save the setting.

M	9. Equalizer
E	a. Output Level
N	b. Antenna Power
U	c. User Name
User Name	
U F -20DA	
Char:1/10	

Up to 10 characters are allowed
Current character to be selected

d. Contrast: screen contrast settings

- (1) Rotate the rotary switch to "d. Contrast." Push the rotary switch (or SETUP) to enter the setting menu.
- (2) Rotate the rotary switch to make the screen darker or brighter. Push SETUP to confirm and save the setting. The higher the value, the darker the color tone. There are 7 levels available. Push SETUP to save the setting.

M	c. User Name
E	d. Contrast
N	e. Reset
U	f. KeyLock
Setup Contrast	
3/7	

e. Reset

- (1) Rotate the rotary switch to “e. Reset” Push the rotary switch (or SETUP) to enter the setting menu.

Note: Once reset, all the settings will be returned to factory defaults. If REMOSET is needed, please check that the ID is the same as that of transmitter.

- (2) Push SETUP to reset.

M	c. User Name
E	d. Contrast
N	e. Reset
U	f. KeyLock
This will erase all data	
from receiver's Internal	
Storage.	
Press [S] 2 sec to Reset	

g. Dante

- (1) Left Display:

Used for adjusting the volume and network settings of Dante.

(1 Dante Volume: Adjustable between -50 to 0 dB.

(2 Network Settings:

- DHCP Mode: Change the certain setting in Mode to DHCP. A DHCP-enabled router must be present in the network when in the DHCP mode.

- Manual Mode: It allows manual IP configuration.

Use the jog dial to set IP, Subnet Mask, and Gateway.

Press the Set button to save the settings.

Note: After changing the Mode or IP, the Dante module will restart, requiring a few seconds to resume operation.

- (2) Right Display: For the volume adjustment of Dante only.

M	e. Reset
E	f. Dante
N	h. Key Lock
U	i. Exit
1. Volume	
2. Network	
3. Return	
Dante Volume	
-10dB	
1. Volume	
2. Network	
3. Return	
MODE:DHCP	
IP:192.168.1.2	
SUB:225.225.225.0	
GW:192.168.1.1	
MODE:Manual	
IP:192.168.1.2	
SUB:225.225.225.0	
GW:192.168.1.1	

h. KeyLock: to set the keypad lock

- (1) rotate the rotary switch to “f. KeyLock” and press the rotary switch (or select SETUP) to enter into the setting screen.

- (2) Rotate the rotary switch to select “Lock ON”. After confirmation, select SETUP to save the setting; “Lock ON” can lock up the keypad of the receiver panel and prevent misoperation touch.

- Right side receiver can lock up: REMOSET, SETUP, rotary switch, EXIT and POWER.

- Left side receiver can lock up: REMOSET, SETUP, rotary switch and EXIT.

- (3) After KEYPAD LOCK, press any of the keypad the screen will show the Unlocked information.

- (4) Lock OFF: press SETUP for two seconds and enters directly into “KeyLock” setting screen. Rotate the rotary switch to select “Lock OFF” and press SETUP to save the keypad setting.

M	e. Reset
E	f. Dante
N	h. Key Lock
U	i. Exit
Setup KeyLock	
☒ Lock ON	
☐ Lock OFF	
Press Setup for 2 Sec.	
to unlock keypad	
Setup Key Lock	
☒ Lock On	
☒ Lock Off	

6-2 Handheld transmitter system operation setting // JSS-20

6-2-1 Power button

- Turn on the power
 - Power On: press POWER
 - Power Off: press POWER for approx 1 second till the screen displays "Power OFF."

Note: when pressing the POWER button, "Mute ON" or "Mute OFF"(in mute state) will first appear and then "Power OFF."

- Mute mode: when using the transmitter (screen at the main screen)

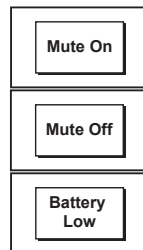
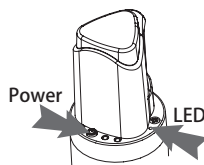
- To set mute status: short press power button and the screen will display "Mute ON."When it is in mute status, the power indicator light will flashing in red. The screen will go to mute screen.
- Mute OFF: short press power button and the screen will display "Mute OFF".

- Exist setting menu

- When it is in the setting menu: press Power button to go back to the main screen.
- When it is in the setting page of menu: press Power button to go back to the main setting menu, press again to go back to the main screen.

Note: When the battery level is too low, the screen will display "Battery Low."

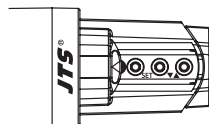
The transmitter will automatically shut down after 30 minutes (approximately).



6-2-2 Menu function setting:

Press SET and it will enter into menu function setting after two seconds.

- Press ▲/▼ Select the desired item. Press SET to enter into the pre-set option.
- After entering into the menu, press ▲/▼ to adjust the values. Press SET to save the setting.



1. Frequency

- (1) Press ▲/▼ to enter into "1. Frequency ". Press SET to enter into the setting screen.

- (2) Adjust the left three digits of frequency.

Press ▲/▼ . Use "+/-" with 1MHz as unit adjustment. After adjustment, press SET to change the right three digits of frequency.

- (3) Adjustment of the right three digits of frequency: press ▲/▼ and use "+/-" with 0.025MHz as unit adjustment. After adjustment, press SET to save the setting.

1. Frequency
2. Group/Channel
3. Sensitivity
4. Low Cut
Frequency
624 .000 MHz
G: 1 CH: 1

2. Group / Channel

- (1) Pres ▲/▼ to enter into "2. Group / Channel."Press SET to enter into the setting screen.

- (2) After entering into the screen, press ▲/▼ to select desire group. Press SET for saving and change into the channel setting.

- (3) Press ▲/▼ to select desire channel. Press SET to save the setting.

1. Frequency
2. Group/Channel
3. Sensitivity
4. Low Cut
Group/Channel
G: 1 C: 1
625.500 MHz

3. Sensitivity

- (1) Press ▲/▼ to "3. Sensitivity." Press SET to enter into the setting screen.
- (2) Press ▲/▼ to adjust the sensitivity. Use 1 dB as unit modification. After adjustment, press SET to save the setting; the range of sensitivity is -15dB~+15dB.

1. Frequency
2. Group/Channel
3. Sensitivity
4. Low Cut

Sensitivity
0 dB

4. Low Cut

- (1) Press ▲/▼ to "4. Low Cut" Press SET to enter into the setting screen.
- (2) Press ▲/▼ : Turn off /on the Low Cut function. After adjustment, press SET to save the setting.

1. Frequency
2. Group/Channel
3. Sensitivity
4. Low Cut

Low Cut	Low Cut
Off 	ON 

5. Device ID

- (1) Press ▲/▼ to select "5. Device ID ." Press SET to enter into the setting screen.
- (2) Press ▲/▼ to adjust the device ID. The range is from 0 ~ 255. After the adjustment, press SET to go to ID setting: On / Off
 (1. Press ▲:ON , The ID of the microphone and the ID of the receiver shall be the same as to use the REMOSET function. Press SET to save the setting.
 (2. Press ▼: OFF, Ignore the ID value. The microphone will receive all REMOSET information transmitted by "receivers with ID code". Press SET to save the setting.

5. Device ID
6. Remoset
7. RF Power
8. Contrast

Device ID
0
ID : OFF

6. Remoset

- (1) Press ▲/▼ to select "6.Remoset" function. Press SET to enter into the setting screen.
- (2) Press ▲: to turn on and use REMOSET.
 Press ▼: to turn off and REMOSET function cannot be used.
 The microphone will be more power-saving when not using REMOSET function. Press SET to save the setting.

5. Device ID
6. Remoset
7. RF Power
8. Contrast

Remoset
☐ ON
☐ OFF

7. RF Power

- (1) Press ▲/▼ to select "7. RF Power." Press SET to enter into the screen for RF Power setting.
- (2) Press ▲: High RF Power. Press SET to save the setting.
 Press ▼: Low RF Power. Press SET to save the setting.

5. Device ID
6. Remoset
7. RF Power
8. Contrast

RF Power
☐ High
☐ Low

Note: When it is in "High RF Power", the power consumption of the microphone is larger which would shorten the usage time of the battery.

8. Contrast

- (1) Press ▲/▼ to select "8. Contrast." Press SET to enter into the screen for contrast adjustment.
- (2) Press ▲/▼ to adjust the contrast. The higher the value, the darker the color; on the contrary, it would be lighter. There is a total of 0~20. Press SET to save the setting.

5. Device ID
6. Remoset
7. RF Power
8. Contrast
LCD Contrast
10

9. Light Time

- (1) Press ▲/▼ to select "9. Light Time." Press SET to enter into the setting screen.
- (2) Press ▲/▼ to select the backlight time: you can select "closed", "5~30 seconds"(having 5 seconds as the unit of change) or "constant light". Press SET to save the setting.

Note: The longer the backlight time, the shorter the usage time of the battery.

9. Light Time
a. User Name
b. Reset
c. KeyLock
Light Time
10

a. User Name

- (1) Press ▲/▼ to select "a. User Name". Press SET to enter into "User Name" screen for the setting.
- (2) Press ▲/▼ to select the characters. After confirmation, press SET to select the next character. If no character is needed, select "space". After confirmation, press SET to save the setting; there is a total of 10 characters for setting.

9. Light Time
a. User Name
b. Reset
c. KeyLock
User Name
JSS-20
Char:1/10

Up to 10 characters are allowed
Current character to be selected

c. Reset

- (1) Press ▲/▼ to "c. Reset" and select SET to enter the screen setting.
- (2) Press ▲: select CONFIRM to reset the internal information of the handheld transmitter. Press SET to save the setting.
Press ▼: select Cancel to cancel the Reset setting. Press SET to save the setting.

a. User Name
c. Reset
d. KeyLock
e. Exit
This will erase all
date from Mic
Internal Storage.
Yes / No

d. KeyLock

- (1) Press ▲/▼ to "d. Keylock" and press SET to enter into the setting screen.
- (2) Press ▲: ON, to lock up all the buttons and to prevent misoperation touch. Pressing SET for saving.
- (3) Unlock: When the main screen is displayed at the screen, press SET for two seconds to get directly into the Lock setting. Press ▼ to unlock and press SET to save the setting.

a. User Name
c. Reset
d. KeyLock
e. Exit
KeyLock
☒ ON
☐ OFF

e. Exit

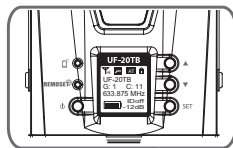
Press ▲/▼ to "e. Exit" and press SET to go back to the main screen.

a. User Name
c. Reset
d. KeyLock
e. Exit

6-3 Body-pack transmitter system operation setting // UF-20TB

6-3-1 To turn on UF-20TB body-pack transmitter

1. To turn on the power: press the Power button.
2. To turn off the power: press the Power button for a while.
The screen will display "Power OFF" after approx. 2 seconds.
The body-pack transmitter will be turned off.
3. To exit the function setting menu: when you are at the function setting menu, press Power button to go back to the main screen.



6-3-2 Function setting menu

Press SET for a while. After two seconds, it will go into the function setting menu.

1. Press ▲/▼ and select the desired item. Press SET to enter into the menu.
2. After entering into the menu, press ▲/▼ to adjust the values.
Press SET to save the setting.

1. Frequency: set the frequency

- (1) Press ▲/▼ to frequency setting. Press SET to enter into the frequency setting screen.
- (2) When entering into the frequency adjustment screen, adjust the first three digits of frequency at the left. Press ▲/▼ using "+/-" with 1MHz as the unit of modification. After adjustment, press SET to adjust the three frequency at the right.
- (3) Adjust the three digits of frequency at the right: Press ▲/▼ using "+/-" with 0.025MHz as the unit of modification. After the adjustment, press SET to save the setting.

Frequency
Group/Chan
Sensitivity
Attenuate
Low Cut
Frequency
624 .750
G: 1 C: 1

2. Group/Channel

- (1) Press ▲/▼ to select "2. Group/Channel." Press SET to enter into the setting screen.
- (2) After entering into the screen, press ▲/▼ to select desire Group.
Press SET for saving and change into the channel setting.
- (3) Press ▲/▼ to select desire channel. Press SET to save the setting.

Frequency
Group/Chan
Sensitivity
Attenuate
Low Cut
Group/Chan
G: 1
C: 1
624.750MHz

3. Sensitivity

- (1) Press ▲/▼ to "Sensitivity." Press SET to enter into the "Sensitivity" setting screen.
- (2) Press ▲/▼ to adjust the sensitivity. Use 1 dB as unit of modification. After adjustment, press SET to save the setting; the range of sensitivity is -15dB~+15dB.

Frequency
Group/Chan
Sensitivity
Attenuate
Low Cut
Sensitivity
-3 dB

4. Attenuate

- (1) Press ▲/▼ to enter into "Attenuate." Press SET to enter into the "Attenuate" setting screen.
- (2) Press ▲/▼ to turn on/off. After adjustment, press SET to save the setting.

Frequency
Group/Chan
Sensitivity
Attenuate
Low Cut
Attenuate
☐ ON
☐ OFF

5. Low Cut

- (1) Press ▲/▼ to select "Low Cut." Press SET to enter into the "Low Cut" setting screen.
- (2) Press ▲/▼ to turn on/off the Low Cut function. Press SET for setting.

	Frequency Group/Chan Sensitivity Attenuate Low Cut
Low Cut	Low Cut
ON	OFF

6. Device ID: to set the Device ID

- (1) Press ▲/▼ to set the ID. Press SET to enter into "Device ID" setting screen.
- (2) Press ▲/▼ to adjust the pre-set ID value. The range is from 0 ~ 255. After the adjustment, press SET to go to ID setting: On / Off
 - ID: On → The ID of the microphone and the ID of the receiver shall be the same as to use the REMOSET function. Press SET for setting.
 - ID: OFF → Ignore the ID value. The microphone will receive all REMOSET information transmitted by "receivers with ID code." Press SET for setting.

	Device ID RemoSet RF Power Contrast Light Time
Device ID	Device ID
1 ID : ON	1 OFF / ON

Note: This setting will affect the usage of REMOSET.

7. RemoSet: to turn on/off the REMOSET

- (1) Press ▲/▼ to select REMOSET function. Press SET to enter into "RemoSet" setting screen.
- (2) Press ▲: to turn on and REMOSET function can be used.
- (3) Press ▼: to turn off. REMOSET function cannot be used.
The microphone will be more power-saving. When not using REMOSET function, it can prolong the usage time of the battery when it is "OFF." Press SET for setting.

Device ID RemoSet RF Power Contrast Light Time
RemoSet
☐ ON ☐ OFF

8. RF Power: setting of RF power

- (1) Press ▲/▼ to select RF power. Press SET to enter into "RF Power" screen for RF power setting.
- (2) Press ▲: High RF power. Press SET to save the setting.
- (3) Press ▼: Low RF power. Press SET to save the setting.

Note: When It is in "High RF power", the power consumption of the microphone is larger which would shorten the usage time of the battery.

Device ID RemoSet RF Power Contrast Light Time
RF Power
☐ High ☐ Low

9. Contrast: adjustment of screen contrast

- (1) Press ▲/▼ to select "Contrast." Press SET to enter "Contrast" screen for contrast adjustment.
- (2) Press ▲/▼ to adjust the contrast. The higher the value, the darker the color; on the contrary, it would be lighter. There is a total of 0~20, 21 level of adjustment. Press SET to save the setting.

Device ID RemoSet RF Power Contrast Light Time
Contrast
10

10. Light Time: the setting of the backlight time

- (1) Press ▲/▼ to select backlight time. Press SET to enter into "Light Time" screen.
- (2) Press ▲/▼ to select the backlight time; you can select "closed", "5~30 seconds"(having 5 seconds as the unit of change) or "constant light." Press SET to save the setting. The longer the backlight time, the shorter the usage time of the battery.

Device ID
Remoset
RF Power
Contrast
Light Time
Light Time
10 Sec.

11. User Name: the setting of the user's name

- (1) Press ▲/▼ to select user name. Press SET to enter into "User Name" screen for the setting of the user's name.
- (2) Press ▲/▼ to select the characters. After confirmation, press SET to select the next character. If no character is needed, select "space". After confirmation, press SET to save the setting; there is a total of 10 characters for setting.

User Name
Reset
KeyLock
Exit

User Name
U F-20TB
Char: 1/10

Up to 10 characters are allowed
Current character to be selected

12. Reset

- (1) Press ▲/▼ to select reset. Press SET to enter into "Reset" screen.
- (2) Press ▲ to select confirm as to reset the internal information of the handheld transmitter. Press SET to save the setting.
Press ▼ to select cancel as to cancel the reset setting. Press SET to save the setting.

User Name
Reset
KeyLock
Exit

All stored data will be erased.
Yes / NO

13. KeyLock: setting of the keypad lock

- (1) Press ▲/▼ to the keypad lock. Press SET to enter into "KeyLock" screen for keypad lock setting.
- (2) Press ▲/▼ to select lock "ALL", "Set & Power" only or lock "OFF".
 - ALL: All the buttons are locked as to prevent any misoperation touch (include Mute switch) Press SET to save the setting.
 - Set & Power: Only funtion buttons are locked, Mute switch will not be locked. Press SET to save the setting.
- (3) To unlock: press SET for two seconds and it will directly go into the key lock screen. Press ▼ to select OFF. Press SET to save the setting.

User Name
Reset
KeyLock
Exit

KeyLock
KeyLock
ALL
Lock OFF ▼
Lock OFF ▲
KeyLock
ALL
ON /OFF
Press Set for 2 Sec. to unlock keypad.

14. Exit

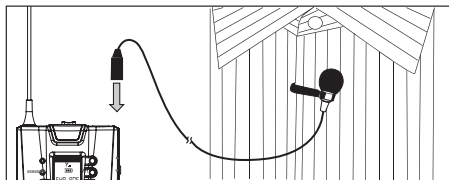
Press ▲/▼ to select exit setting. Press SET to go back to the main screen.

User Name
Reset
KeyLock
Exit

6-4 Installation of Condenser Microphones

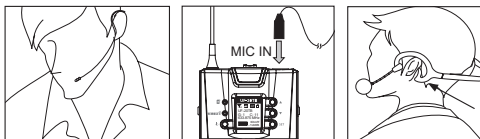
1. Lavalier microphone

Attach lavalier microphone to a tie, lapel, where is suitable for sound pick-up. Plug the connector into input socket on the body-pack transmitter.



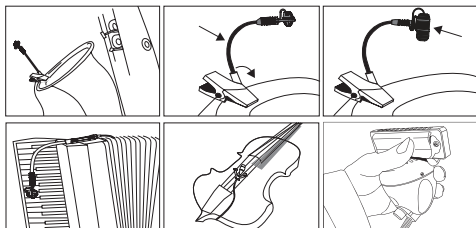
2. Headset microphone

Put the headband behind your head, and fix the temples on your ears as shows, then adjust the gooseneck to have best miking. Plug the connector into input socket on the body-pack transmitter.



3. Instrument Microphones

The system is compatible with JTS various instrument microphones. For detail please refer to user's manuals of these microphones.



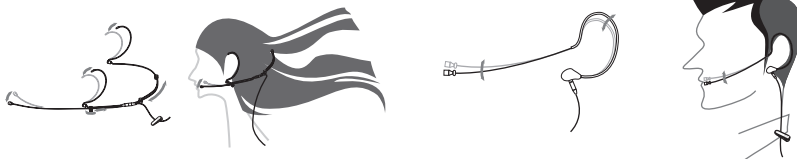
4. Ear-hook Microphone

(1)Lightweight Dual Ear Hook Microphone

Try on whether the headset is fit. Adjust the headband to a suitable width. Tighten or loosen the curve of the ear-hook by twisting the loop or expanding it. Curve and bend the boom to fit your face. Attach the detachable cable to a suitable place by a cable clip.

(2)Lightweight Single Ear Hook Microphone

Try on whether the original curve is tight or loose. Re-try and push the fixed curve against your earlobe. Curve and Bend the boom to fit your face. Attach the detachable cable to a suitable place by a cable clip.



7. Product notes

- To get the best signal performance, please keep at least 3 meters between a receiver and a transmitter.
- Keep a receiver and transmitter from other metal object for at least 50cm.
- To prevent feedback and whistle, please do not aim transmitter to speaker.
- It is suggested to hold the middle section of transmitter (microphone) body to achieve the best pickup effect.
- When transmitter is not used for a long time, please remove batteries from battery compartment to avoid leakage of electrolyte solution to damage transmitter.
- When replacing batteries, please replace two batteries at the same time and use the same brand of battery, to assure the best power performance.

8. Important Notice

- JTS offers wireless systems in a selection of bands that conform to the different government regulations of specific nations or geographic regions. These regulations help limit radio frequency (RF) interference among different wireless devices and prevent interference with local public communications channels, such as television and emergency broadcasts.
- For information on bands available in your area, consult your local dealer or phone JTS. More information is also available at JTS's website (www.jts.com.tw).
- This Radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and RF power levels for wireless microphone products.
- 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 or more 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.

CAUTION:

- Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
- 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.
- This device contains transmitters and receivers which emit Radio Frequency (RF) energy. The device is designed to comply with the limits for exposure to RF energy set by the Federal Communications Commission (FCC) of the United States, Industry Canada (IC) of Canada, and the regulating entities of other countries

內容索引

1. 系統操作注意事項	2
2. 特色	2
2-1 UHF PLL寬頻道純自動選訊接收機 // UF-20DA	2
2-2 UHF PLL手握發射器 // JSS-20	2
2-3 UHF PLL腰掛式發射器 // UF-20TB	3
3. 規格	3
3-1 UHF PLL寬頻純自動選訊接收機 // UF-20DA	3
3-2 UHF PLL手握發射器 // JSS-20	4
3-3 UHF PLL腰掛式發射器 // UF-20TB	4
3-4 充電箱/充電座	5
3-5 電容式麥克風	5
4. 零件說明	7
4-1 寬頻純自動選訊接收機按鍵功能與液晶顯示說明 // UF-20DA	7
4-2 UHF PLL手握發射器按鍵功能與液晶顯示說明 // JSS-20	8
4-3 UHF PLL 腰掛式發射器按鍵功能與液晶顯示說明 // UF-20TB	9
4-4 JSS-20 CH-2雙槽充電座/CH-8八槽充電箱	10
4-5 電容式麥克風	10
4-6 配件	11
5. 連接方式	12
5-1 接收機連接方式// UF-20DA	12
5-2 AC電源線與天線串接方式	12
6. 操作	13
6-1 寬頻純自動選訊接收機系統操作設定 // UF-20DA	13
6-2 手握發射器系統操作設定 // JSS-20	19
6-3 腰掛式發射器系統操作設定 // UF-20TB	22
6-4 麥克風安裝說明	25
7. 產品注意事項	26

1. 系統操作注意事項

- ※ 在接上電源前，必須先確認主機標示之電壓與附上插座電源值相同。
- ※ 勿將機器置放於潮濕及高溫的地方。
- ※ 操作該系統前，請先擦乾雙手。
- ※ 保持機器遠離火源與熱源。
- ※ 發射機與接收機需調整成相同的「預設頻道」或「頻率」。
- ※ 多台接收機同時堆疊使用時建議選用同一群組內的頻點以避免頻率互相干擾。
- ※ 注意：本產品使用環境僅適用於-10° C (14°F) 至+50° C (122°F) 之間條件下安全使用。
- ※ 為使產品正常運作，請於使用麥克風時，務必開啓接收機和發射器，如麥克風無聲音，請檢查接收機和發射器是否已開啓。

2. 特色

2-1 UHF PLL寬頻道純自動選訊接收機 // UF-20DA

- ※ 搭載  Dante™ 功能的專業級True Diversity無線麥克風系統
- UHF PLL 純自動選訊系統提供200~480公尺的有效工作距離。
- ※ 最大75MHz頻寬提供最多3000個可選頻率。
- ※ 預設15組群組，最多63個頻道。
- ※ 提供使用者自建6個群組，每組最多64個頻道。
- ※ 可用頻率自動搜尋功能。
- ※ 可調式squelch level。
- ※ JTS LCX線路設計技術能有效降低雜訊干擾。
- ※ 配有天線強波器電源，方便各種外接天線使用。
- ※ JTS專利：最新一代的RF **REMOSE**  功能，不但能將頻率傳輸至發射器，更能將靈敏度、低音衰減、發射功率、按鍵鎖定及使用者名稱等資料傳輸至發射器。
- ※ RF「無訊號」LCD面板警示提醒功能。
- ※ AF「麥克風靜音」LCD面板警示提醒功能。
- ※ 發射器「低電量」LCD面板警示提醒功能。
- ※ 內建Low Cut功能，防止低音迴授。
- ※ HIGH BOOST（提昇高音表現，符合特殊演出的需求，以達高音尾韻的完美）。
- ※ 畫面可選擇中、英文語言顯示。
- ※ 天線與電源串接功能，提昇演出工程的方便性。
- （多台使用，簡化天線數量及電源線的複雜糾結）（僅UF-20DA）

2-2 UHF PLL手握發射器 // JSS-20

- ※ 最大75MHz頻寬提供最多3000個可選頻率。
- ※ 鎖相環迴路設計。
- ※ 寬廣的動態範圍與平滑的頻率響應。
- ※ 可調式發射功率。
- ※ 音碼鎖定迴路。
- ※ 可更換包括電容式、動圈式音頭模組。
- ※ 隱藏式天線設計。
- ※ 鎖定功能可避免意外的更動導致訊號中斷。
- ※ Low Cut功能，減少麥克風低頻噴麥及風切聲。
- ※ JTS最新研發SAM-8WLN音頭，保留原有SAM-8W的完整效能更擁有極低的觸摸噪聲表現。
- ※ 可拆換式音頭模組設計，使用者在不同場所演出時，方便更換其它型號的JTS音頭模組，並可匹配幾款世界公認經典款式的音頭模組。
- ※ 可充式AA鎳氫電池，搭配最新的結構設計，可將發射器直接插入充電座（選配）充電。
- ※ 畫面可選擇中、英文語言顯示。

2-3 UHF PLL腰掛式發射器 // UF-20TB

- ※ 最大75MHz頻寬提供最多3000個可選頻率。
- ※ 鎖相環迴路設計。
- ※ 寬廣的動態範圍與平滑的頻率響應。
- ※ 可調式發射功率。
- ※ 音碼鎖定迴路。
- ※ 輕量化金屬外殼。
- ※ 鎖定功能可避免意外的更動導致訊號中斷。
- ※ 4 pin迷你XLR接頭相容於吉他線以及各種人聲與樂器麥克風。
- ※ 發射功率可調，調整範圍高或低。
- ※ 可充式AA鎳氫電池，搭配最新的結構設計，可將發射器直接插入充電座（選配）充電。
- ※ 中、英文語言顯示。

3. 規格

3-1 UHF PLL寬頻純自動選訊接收機 // UF-20DA

頻率振盪模式	PLL鎖相環迴路，頻率穩定度 $\leq \pm 0.005\%$ (-10°C ~ 60°C)
遠距離頻率設定	獨創專利RF REMOSET ®。功能可在10米內同步傳輸設定值資料
載波頻率範圍	UHF 470~960 MHz
頻道數量	雙頻道
頻道寬度	最大75MHz超寬頻
訊號S/N比	>108dB (A)
總失真率	<0.5%@1KHz
機箱規格	1U標準金屬機箱
預設群組/頻率數	• 預設1~15個群組最多63個互不干擾頻率。 • 共844個可用之預設頻率及3000個可選頻率。 • 另提供U1~U6共6組群組各64個頻率供使用者在不同環境及場所可自行設定及儲存喜好之頻率。
功能顯示方式	LCD液晶顯示器
功能顯示內容	群組、頻道、頻率、天線A/B自動選訊、RF/AF信號強度、靜音、發射器電池容量、識別碼、使用者名稱、靜音位準
E.Q調整	低音衰减、高音增強
接收方式	雙調諧器純自動選訊接收 (True Diversity)
音頻輸出準位	最大6dBu
音頻輸出阻抗	150/600 Ω (mic/Line)
綜合頻率響應	50Hz~18kHz，具低頻濾頻電路
音量調整	0~-50dB
靜音方式	創新[靜音及音碼鎖定迴路]控制
電源供應	100~240V or 12V DC
輸出插頭型式	2 個平衡式XLR接頭 2 個平衡式 6.3mm接頭
尺寸 (mm)	480mm (寬) x 45mm (高) x 260mm (長)
網路接口	雙連接埠乙太網路, Dante數位音訊
重量	2.9kg
備註	各項規格如有誤差，以實際產品為依據

3-2 UHF PLL手握發射器 // JSS-20

頻率振盪模式	PLL鎖相環迴路
載波頻率範圍	UHF 470~960 MHz
頻道寬度	最大75MHz超寬頻
RF輸出	高 / 低可調
穩定度	<0.005%
頻率偏移	Peak $\pm$ 48KHz
LCD液晶顯示	群組、頻道、頻率、電量、發射功率、靈敏度、裝置識別碼、使用者名稱、低音衰減
控制方式	電源、頻率、群組、靈敏度、低音衰減、裝置識別碼聲頻、對頻功能、發射功率、螢幕對比度、背光時間、使用者名稱、中英文切換、按鍵鎖定、靜音、重置、
諧波輻射	<-50 dBC
音頻響應	50~18,000 Hz
音頭模組	可拆換式音頭模組
電池型式	3號(AA)鹼性電池x2 / 充電電池x2
尺寸	50mm(寬) x253mm(高) x35.5mm(長)
重量	350g(不含電池)
備註	各項規格如有誤差，以實際產品為依據

3-3 UHF PLL腰掛式發射器 // UF-20TB

頻率振盪模式	PLL鎖相環迴路
載波頻率範圍	UHF 470~960 MHz
頻道寬度	最大75MHz超寬頻
RF輸出	高 / 低可調
穩定度	$\pm$ 10KHz
頻率偏移	Peak $\pm$ 48KHz
機殼	鋁合金
LCD液晶顯示	群組、頻道、頻率、電量顯示、發射功率、裝置識別碼、靈敏度、使用者名稱、低音衰減
控制方式	電源、頻率、群組、靈敏度、低音衰減、裝置識別碼、對頻功能、發射功率、螢幕對比度、背光時間、使用者名稱、中英文畫面切換、按鍵鎖定、靜音、重置、輸入衰減
輸出接頭型式	4 pin迷你型 XLR 接頭
諧波輻射	<-50 dBC
音頻響應	50~18,000 Hz
電池型式	3號(AA)鹼性電池x2 / 充電電池x2
尺寸	62mm(寬) x80.3mm(高) x22.6mm(長)
重量	93g(不含電池)
備註	各項規格如有誤差，以實際產品為依據

3-4 充電箱/充電座

型號	CH-2 (雙槽充電座)	CH-8 (8槽充電箱)
輸入	100~240V, 最大0.4A AC交換電源	100~240V, 最大1.2A AC交換電源
輸出	DC 12V, 1A	DC 15V, 3A

3-5 電容式麥克風

領夾式麥克風

型號	CM-501Hi	CM-201i	CM-125i
輸出接頭	4P迷你XLR	4P迷你XLR	4P迷你XLR
頻率響應範圍	100~15,000 Hz	60~15,000 Hz	50~18,000 Hz
指向性	心型指向性	全指向性	全指向性
感度	-54 ± 3dB	-60 ± 3dB	-53 ± 3dB
輸出阻抗	3.7k Ω	2.2k Ω	4.4k Ω
最大承受音壓	115dB	130dB	130dB
尺寸 (mm)	10.1mm (寬) x 26.4mm (高)	5mm (寬) x 9mm (高)	4mm (寬) x 11mm (高)
重量	21.5g	20.7g	7g (不含導線)

頭戴式麥克風

型號	CM-214i	CM-214Ui	CM-214ULi
輸出接頭	4P 迷你 XLR	4P 迷你 XLR	4P 迷你 XLR
頻率響應範圍	60~15,000 Hz	30~18,000 Hz	100~18,000 Hz
指向性	全指向性	心型指向性	心型指向性
感度	-60 ± 3dB	-68 ± 3dB	-65 ± 3dB
輸出阻抗	1.8k Ω	680 Ω	1.8k Ω
最大承受音壓	130dB	130dB	120dB
尺寸 (mm)	125mm (寬) x 134mm (高) x 157mm (長)	205mm (寬) x 134mm (高) x 157mm (長)	125mm (寬) x 134mm (高) x 157mm (長)
重量	32.9g	38.4g	18g (不含導線)

型號	CM-235i	CX-504
輸出接頭	4P迷你XLR	4P迷你XLR
頻率響應範圍	50~18,000 Hz	30~18,000 Hz
指向性	全指向性	心型指向性
感度	-53 ± 3dB	-68 ± 3dB
輸出阻抗	1.8k Ω	680 Ω
最大承受音壓	130dB	130dB
尺寸 (mm)	155mm (寬) x 134mm (高) x 157mm (長)	285mm (寬) x 55mm (高) x 111.3mm (長)
重量	17g	56.3g

耳掛式麥克風

型號	CM-801	CM-804i	CM-8015	CM-825i
輸出接頭	4P迷你XLR	4P迷你XLR	4P迷你XLR	4P迷你XLR
頻率響應範圍	60~15,000 Hz	60~15,000 Hz	50~18,000 Hz	50~18,000 Hz
指向性	全指向性	全指向性	全指向性	全指向性
感度	-64 ± 3dB	-64 ± 3dB	-53 ± 3dB	-53 ± 3dB
輸出阻抗	1.8K Ω	1.8K Ω	1.8K Ω	1.8K Ω
最大承受音壓	130dB	130dB	130dB	130dB

樂器麥克風

型號	CX-500	CX-500F	CX-520
輸出接頭	4P迷你XLR	4P迷你XLR	4P迷你XLR
頻率響應範圍	20~20,000 Hz	20~20,000 Hz	50~16,500 Hz
指向性	全指向性	全指向性	超心型指向性
感度	-58 ± 3dB	-58 ± 3dB	-78 ± 3dB
輸出阻抗	1.5K Ω	1.5K Ω	600 Ω
最大承受音壓	130 dB	130 dB	148 dB
配件	防風罩	防風罩	防風罩
適用樂器	弦樂器	長笛	口琴

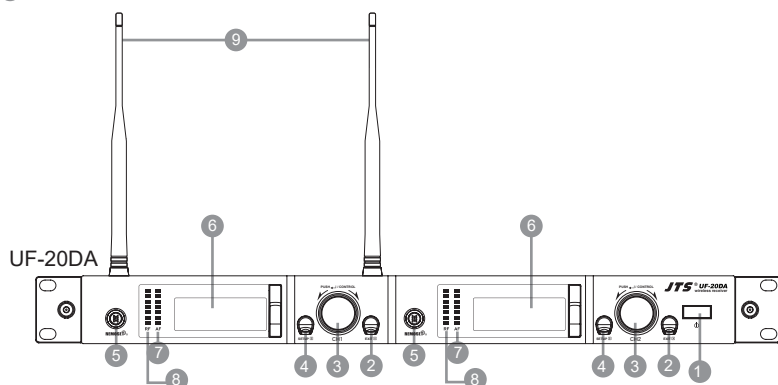
型號	CX-608 (W)	CX-516W
輸出接頭	4P迷你XLR	4P迷你XLR
頻率響應範圍	50~18,000 Hz	30~18,000 Hz
指向性	心型指向性	心型指向性
感度	-67 ± 3dB	-67 ± 3dB
輸出阻抗	220 Ω	220 Ω
最大承受音壓	130 dB	130 dB
配件	防風罩	防風罩
適用樂器	管樂器	手風琴

4. 零件說明

4-1 寬頻純自動選訊接收機按鍵功能與液晶顯示說明 // UF-20DA

4-1-1 前面板

- ① 電源開關：開機：按一下電源開關
關機：開關按住不放，螢幕出現「關閉電源」後關閉電源。
- ② EXIT鍵：當UF-20DA處於「設定選單」環境時，按EXIT可取消選擇或退出選單。
- ③ 飛梭旋鈕：處於「功能設定選單」環境時，旋轉飛梭旋鈕可上下選擇欲設定項目；按一下飛梭旋鈕(或SETUP鍵)進入選項，旋轉飛梭旋鈕調整設定值，按[SETUP]鍵儲存設定。
- ④ SETUP鍵：按住不放約2秒，進入「設定選單」；依「3-飛梭旋鈕」選擇與設定完成後，按SETUP鍵儲存設定值。
- ⑤ REMOSET：接收機設定完成後，按一下REMOSET鍵，傳送設定資訊到手握、腰掛發射器。
- ⑥ 液晶螢幕顯示：參閱【4-1-2 接收機液晶螢幕顯示說明】。
- ⑦ AF：顯示當前音頻信號強度。
- ⑧ RF：顯示當前射頻信號強度。
- ⑨ 天線



4-1-2 接收機液晶螢幕顯示說明

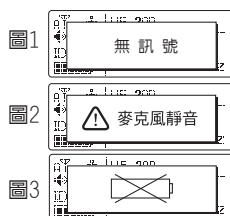
螢幕顏色：

紅色：1. 未接收到發射器RF 訊號(圖1)，並顯示

2. 發射器設定靜音(圖2)

3. 發射器電池低電量時(圖3)

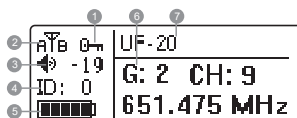
橘色：接收到發射器RF 與AF 訊號



- ① ：接收機已設定按鍵鎖定
- ② ：指示由天線A或B接收訊號；
未接收到麥克風訊號顯示
- ③ -19：接收機輸出音量大小
- ④ ID：0：裝置識別碼：ID 值從 0~255
- ⑤ ：發射器電池電量：

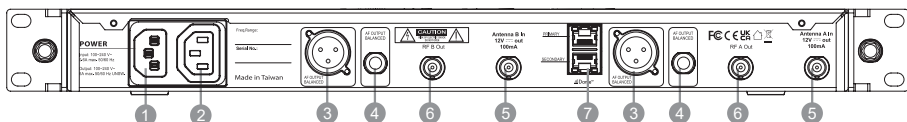
未接收到發射器訊號或發射器設定靜音時顯示 MUTE

- ⑥ G：顯示目前使用的Group，從1~15
CH：顯示目前使用的Channel，最多63個
頻率顯示：顯示目前的操作頻率
- ⑦ 接收機名稱(選單裡用戶名稱選項設定)



4-1-3 後面板// UF-20DA

- ① POWER : AC 電源座, AC 電壓100V~240VAC
- ② AC 電源串接座: 使用AC 雙頭電源線(選配)可做電源串接, 減少電源線佔用AC 插座
- ③ AF OUTPUT BALANCED : XLR 平衡式音頻輸出座
- ④ AF OUTPUT BALANCED : 6.3mm 平衡式音頻輸出座
- ⑤ Antenna A(或B) In : 天線插座(或天線強波器連接座+12VDC/150mA), 使用時打開立直天線, 或透過BNC 訊號線連接天線強波器
- ⑥ RF A(或B) Out : RF 訊號輸出串接插座:
用BNC 對BNC 訊號線, 第1台的RF A(或B) OUT 連接到第2 台的Antenna A(或B) In 天線插座, 第2 台的RF A(或B) OUT 連接到第3 台的Antenna A(或B) In 天線插座, 以此類推, 減少天線的使用數
- ⑦ Donte



4-2 UHF PLL手握發射器按鍵功能與液晶顯示說明 // JSS-20

4-2-1 面板功能

- ① 液晶螢幕顯示
- ② SET : 設定和儲存手握發射器
- ③ ▲、▼ : 上、下鍵, 選擇手握欲設定的項目
- ④ 電源鍵

(1) 手握發射器開機

開啓電源: 按一下電源開關

關閉電源: 按住電源開關約1秒, 至螢幕顯示「關閉電源」

(2) 靜音模式: 手握發射器在使用狀態時(螢幕在主畫面)

設定靜音: 按一下電源鍵螢幕顯示「啓用靜音」;

取消靜音: 按一下電源鍵螢幕顯示「解除靜音」

(3) 跳出設定選單

進入設定選單時: 按一下電源鍵回到主畫面; 已進入功能

設定選項時: 按一下電源鍵回到設定選單, 再按一下回到

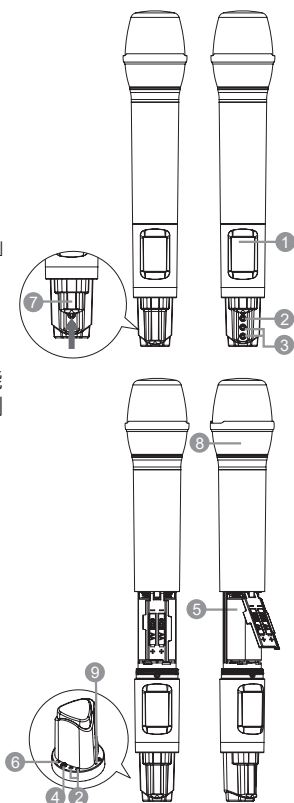
主畫面

- ⑤ 電池槽
- ⑥ 充電插孔: 配合充電座使用(選配)
- ⑦ 滑蓋
- ⑧ 可折換式音頭模組
- ⑨ LED狀態顯示

綠: 電源開啓 / 藍: Remoset傳輸中(約亮5秒)

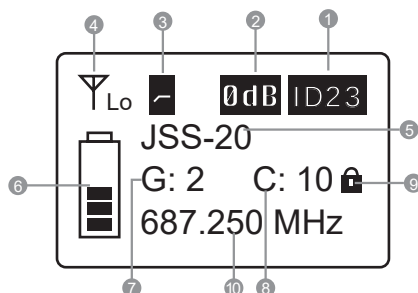
紅: 低電量 / 閃紅: 靜音

閃紅、綠: 低電量及靜音狀態



4-2-2 液晶螢幕顯示說明

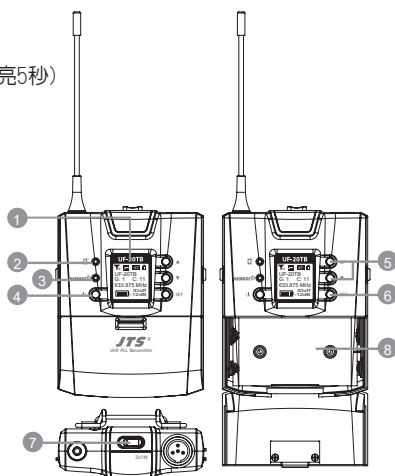
- ① 裝置識別碼：ID 值從 0~255
- ② 靈敏度：-15dB~+15dB
- ③ 低音衰减指示
- ④ 射頻功率：Hi:高, Lo:低
- ⑤ 使用者名稱
- ⑥ 電池電量：5 格電量顯示
- ⑦ G：使用的群組，從1~15
- ⑧ CH：使用的頻道，最多63個
- ⑨ 按鍵鎖定
- ⑩ 頻率：顯示使用頻率



4-3 UHF PLL 腰掛式發射器按鍵功能與液晶顯示說明 // UF-20TB

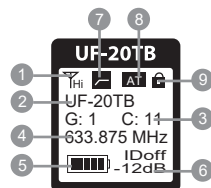
4-3-1 面板功能

- ① 液晶螢幕顯示
- ② 電池電量：亮紅燈表電池電量不足，請更換電池
- ③ REMOSET指示燈：亮藍燈表示Remoset傳輸中(約亮5秒)
- ④ 電源鍵：
 - (1) 開啓：按一下電源鍵
 - 關閉：按住電源鍵2秒，至螢幕顯示關閉電源
 - (2) 離開功能設定選單：當處於設定選單環境時，按一下電源鍵，可跳回螢幕主畫面
- ⑤ ▲、▼：上下選擇鍵
- ⑥ SET：設定及儲存
- ⑦ 靜音開關/LED顯示：
 - (1) 電源開啓時亮綠燈
 - (2) 低電壓時紅燈恆亮
 - (3) 切到「MUTE」位置，腰掛發射器靜音，紅色燈號閃爍
 - (4) 「MUTE」+低電壓時，紅綠燈交替閃爍
- ⑧ 電池槽



4-3-2 液晶螢幕顯示說明

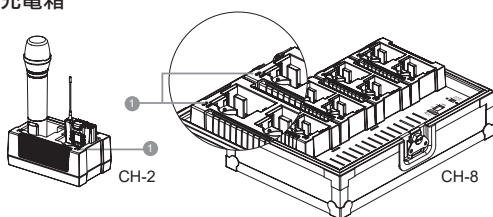
- ① 射頻功率指示
- ② 使用者名稱
- ③ 使用群組及頻道顯示
- ④ 使用中的頻率顯示
- ⑤ 電池狀態：顯示發射器電池電量
- ⑥ 發射器感度顯示
- ⑦ 低音衰减指示
- ⑧ 輸入衰减指示
- ⑨ 按鍵鎖定



註：螢幕顯示與功能操作請參閱6-3
腰掛式發射器系統操作設定。

4-4 JSS-20 CH-2雙槽充電座/CH-8八槽充電箱

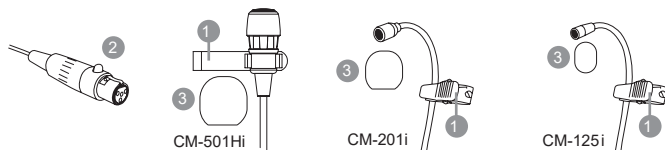
- ① LED指示燈
- 充滿/待機：綠色恆亮
- 充電中：綠色閃爍
- 異常：紅色閃爍



4-5 電容式麥克風

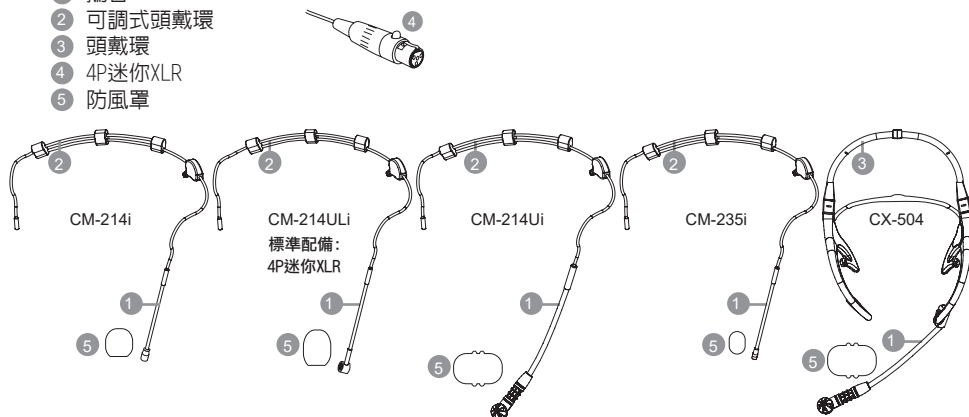
領夾式麥克風 // CM-501Hi/CM-201i/CM-125i

- ① 夾子
- ② 4P迷你XLR
- ③ 防風罩



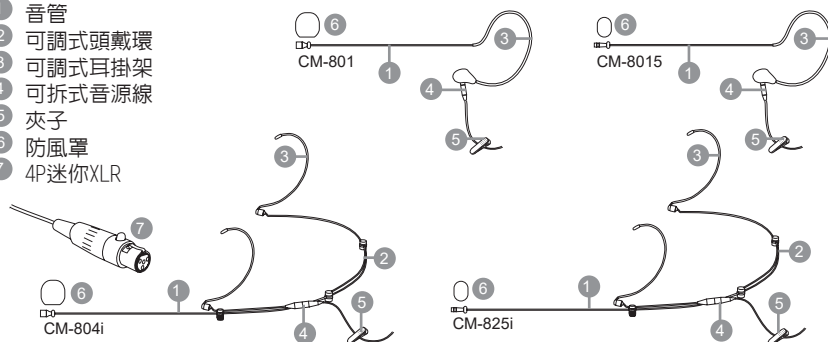
頭戴式麥克風 // CM-214i/CM-214Ui/CM-214ULi/CM-235i/CX-504

- ① 鵝管
- ② 可調式頭戴環
- ③ 頭戴環
- ④ 4P迷你XLR
- ⑤ 防風罩



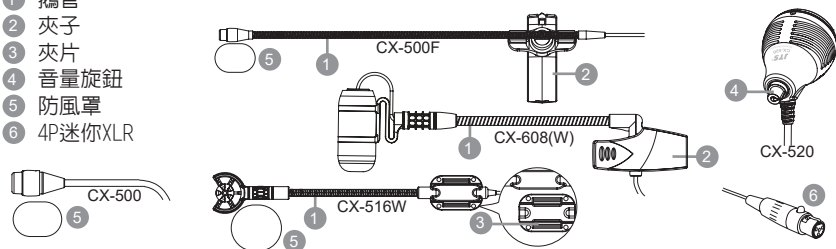
耳掛式麥克風 // CM-801 / CM-804i / CM-8015 / CM-825i

- ① 音管
- ② 可調式頭戴環
- ③ 可調式耳掛架
- ④ 可拆式音源線
- ⑤ 夾子
- ⑥ 防風罩
- ⑦ 4P迷你XLR



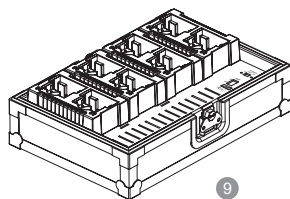
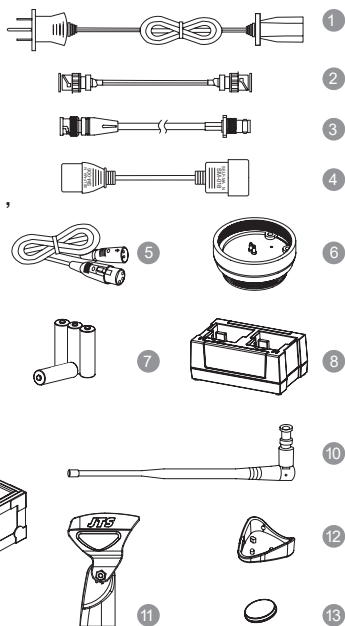
樂器麥克風 // CX-500/CX-500F/CX-608(W)/CX-516W/CX-520

- ① 鵝管
- ② 夾子
- ③ 夾片
- ④ 音量旋鈕
- ⑤ 防風罩
- ⑥ 4P迷你XLR



4-6 配件

- ① AC電源線* 1
- ② 串接訊號線* 2
- ③ 前置天線訊號線 選配
- ④ AC 電源串接線* 1
- ⑤ XLR (M) /XLR (F) Audio cable* 2 選配
- ⑥ MA-935音頭轉接座 選配
- ⑦ 可充式AA鎳氫電池 選配
- (購買JSS-20 CH-2雙槽充電座 / CH-8八槽充電箱，4顆/16顆為標準配備)
- ⑧ JSS-20 CH-2 雙槽充電座 選配
- ⑨ CH-8 八槽充電箱 選配
- ⑩ 天線* 2
- ⑪ MH-56 麥克風固定夾* 2 選配
- ⑫ 飾蓋* 7
- ⑬ 橡膠腳墊* 4



5. 連接方式

5-1 接收機連接方式// UF-20DA

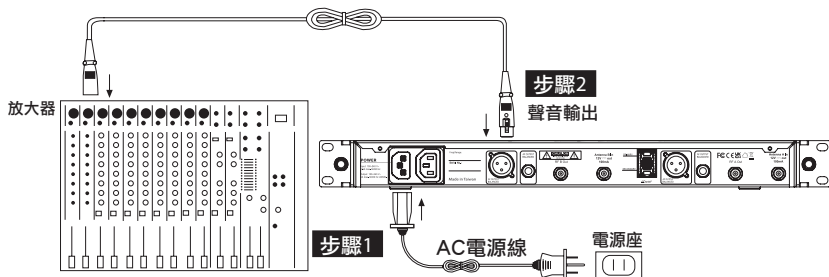
1. 連接電源

接上AC電源線：先插接收機AC座，另一端再插AC電源座(100~240VAC)。

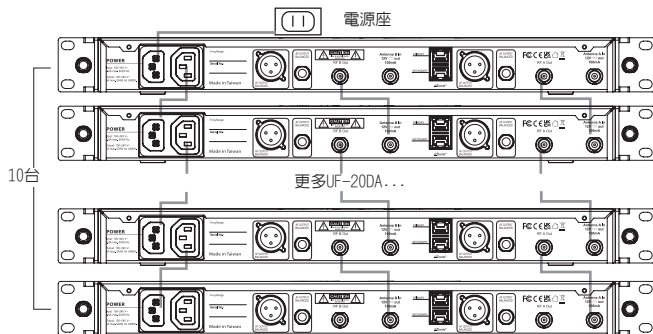
2. 連接音源訊號線

UF-20DA音源輸出連接到MIXER或擴大機：

音源線：XLR或 6.3mm音源線，一端接UF-20DA的「AF OUTPUT BALANCED」音源輸出座，另一端接MIXER或放大器的音源輸入座。



5-2 AC電源線與天線串接方式



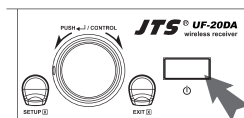
註：電源/天線可串接10台。

6. 操作

6-1 寬頻純自動選訊接收機系統操作設定 // UF-20DA

6-1-1 打開接收機電源

1. 將接收機天線安裝上
2. 按一下電源按鍵開啟電源
3. 關機時：按住電源按鍵不放，螢幕顯示「關閉電源」後關機。



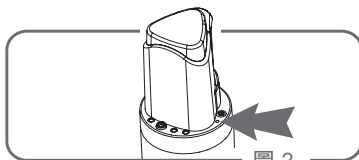
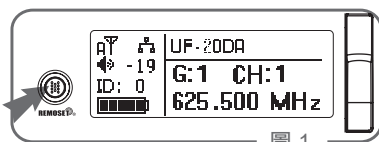
6-1-2 REMOSET 功能：

1. 按下REMOSET鍵(圖1)，藍色燈光(圖2)閃爍，表示正在傳送頻率資料。
註：使用UF-20DA REMOSET 功能時，應避免同一個接收機左右兩邊或兩台以上的接收機同時使用REMOSET功能。避免REMOSET信號互相干擾而造成無法對頻的現象。
2. REMOSET成功：發射器顯示燈顯示3秒藍色燈光且接收機藍色燈停止閃爍。
3. REMOSET失敗：接收機的藍色燈光若變為慢速閃爍，請檢查：
 - (1)「貼在」接收機與麥克風上的「頻率範圍標籤」是否相同
 - (2)發射器 功能選單內「對頻功能」需設定「啟用」
 - (3)接收機與發射器的「裝置ID」設定值需相同
 - (4)發射器電池是否處於低電量狀態（低電量時無法同步）

註1：接收機設定方式參閱6-1寬頻自動選訊接收機系統操作設定「6.裝置 ID」與「7.麥克風設定」

註2：手握發射器設定方式參閱6-2手握發射器系統操作設定「5.裝置ID」與「6.對頻功能」

註3：腰掛發射器設定方式參閱6-3腰掛發射器系統操作設定「5.裝置ID」與「6.對頻功能」



6-1-3 選單功能設定：

按一下 Setup 鍵 2 秒，進入選單畫面

1. 順或逆時針旋轉飛梭旋鈕，選擇欲設定的項目，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面；若不做設定可按一下EXIT鍵回到主選單。
2. 進入設定畫面後，旋轉飛梭旋鈕調整所需數值或功能，按一下SETUP鍵儲存設定值。
3. EXIT 鍵：回到主選單或主畫面；不儲存或不修改設定值；按一下(回到選單畫面)或按二下(回到主畫面)EXIT 鍵離開

1. 頻率設定：設定頻率值

- (1) 旋轉飛梭旋鈕至「1. 頻率設定」，按一下飛梭旋鈕(或按一下SETUP鍵)進入頻率調整畫面
- (2) 調整左3位數頻率：旋轉飛梭旋鈕以「+/-」1MHz為單位變動，調整完按一下飛梭旋鈕
- (3) 調整右邊3位數頻率，旋轉飛梭旋鈕以「+/-」0.025MHz，為單位變動；設定完後按一下SETUP鍵儲存設定值

註：按飛梭旋鈕可左右切換欲調整的頻率

主選單	1. 頻率設定
	2. 預設群組
	3. 自定群組
頻率設定	
687.250 MHz	
G: 1 CH: 1	

2. 預設群組：設定群組與頻道

- (1) 旋轉飛梭旋鈕至「2. 預設群組」按一下Setup鍵(或按壓飛梭旋鈕)進入設定畫面
- (2) 旋轉飛梭選擇群組「G:」群組共1~15；調整完按一下飛梭旋鈕。
- (3) 旋轉飛梭旋鈕調整頻道「CH:」最多63個可選頻道，調整完成後按一下SETUP鍵儲存設定。

註：按飛梭旋鈕可左右切換欲調整的群組或頻道

主選單	1. 頻率設定
	2. 預設群組
	3. 自定群組
預設群組	
G: 5 CH: 49	
684.175 MHz	

3. 自訂群組：使用者自訂群組及頻道

- (1) 旋轉飛梭旋鈕至「3. 自訂群組」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 編輯自定群組：使用者自訂群組
 - (1. 旋轉飛梭旋鈕至「1. 編輯自定群組」按壓飛梭旋鈕進入設定畫面
 - (2. 「每按一次」飛梭旋鈕可切換群組(G)、頻道(CH)、頻率(左3位數或右3位數)；當頻率區域顯示為『- - - . - - -MHz』表示該頻道(G/CH)不使用
 - (3. 旋轉飛梭旋鈕調整預設定的群組、頻道或頻率按SETUP鍵儲存設定
- (3) 清除自定群組：清除使用者自訂的群組
 - (1. 旋轉飛梭旋鈕到「2. 清除自定群組」，按壓飛梭旋鈕進入設定畫面
 - (2. 旋轉飛梭旋鈕選擇欲清除的群組，按一下飛梭旋鈕
 - (3. 選「確定」則清除該群組的所有頻道、頻率值都變成『- - - . - - - MHz』；選擇確定或取消後按一下飛梭旋鈕
- (4) 返回：返回主選單
旋轉飛梭旋鈕到「3. 返回」，按壓飛梭旋鈕，返回主選單

主選單	1. 頻率設定
	2. 預設群組
	3. 自定群組
1. 編輯自定群組	
2. 清除自定群組	
3. 返回	
編輯自定群組	
G: U1 CH: 1	
694.000 MHz	
編輯自定群組	
G: U1 CH: 1	
---.--- MHz	

1. 編輯自定群組
2. 清除自定群組
3. 返回
群組: U1
選擇需清除的群組
按飛梭開始清除
群組 U1的資料將被
清除，繼續？
☒ ☐
1. 編輯自定群組
2. 清除自定群組
3. 返回

4. 掃描：掃描頻道

- (1) 旋轉飛梭旋鈕至「4. 掃描」按一下飛梭旋鈕(或按一下SETUP鍵)進入掃描頻道畫面
- (2) 掃描所有群組：掃描全部群組
 - (1. 旋轉飛梭旋鈕到「1. 掃描所有群組」，按一下飛梭旋鈕(或按一下SETUP)進入選單畫面
 - (2. 進入「掃描所有群組」畫面(按EXIT 可回上層選單)，按一下飛梭旋鈕開始掃描

主選單	4. 掃描
	5. 接收靈敏度
	6. 裝置識別碼
1. 掃描所有群組	
2. 掃描結果列表	
3. 掃描目前的群組	
掃描所有群組	
按 [S] 或 ← 開始掃描	

(3. 掃描中螢幕顯示目前的完成度百分比；若停止掃描，按 EXIT 鍵

(4. 掃描完成後會自動進入選項「2. 掃描結果列表」畫面，使用者也可由選單直接點選進入畫面中可觀看掃描結果，旋轉飛梭旋鈕選擇可用的頻道，按SETUP鍵儲存設定

(3) 掃描結果列表：觀看掃描結果列表

旋轉飛梭旋鈕至「2. 掃描結果列表」，按一下飛梭旋鈕進入選單畫面觀看掃描結果，選擇可用的頻道，按 SETUP 鍵儲存設定

(4) 掃描目前的群組：掃描單一群組

(1. 旋轉飛梭旋鈕到「3. 掃描目前的群組」後，按壓飛梭旋鈕進入選單畫面

(2. 按一下飛梭旋鈕開始掃描單一群組

(3. 掃描完後螢幕顯示OK；「每按一次」飛梭旋鈕可掃描下一個群組，選定後按SETUP鍵儲存設定；按EXIT可回上層選單

(5) 返回：回主選單

旋轉飛梭旋鈕到「4. 返回」，按一下飛梭旋鈕回主選單

5. 接收靈敏度：調整接收靈敏度靜音等級

(1) 旋轉飛梭旋鈕至「5. 接收靈敏度」，按一下飛梭旋鈕 (或按一下SETUP鍵) 進入調整畫面

(2) 旋轉飛梭旋鈕調整靈敏度，0dB為標準值，按一下SETUP鍵儲存設定值；數值越高，接收靈敏度越低；數值越低，接收靈敏度越高

6. 裝置ID：設定裝置識別碼

(1) 旋轉飛梭旋鈕至「6. 裝置ID」，按一下飛梭旋鈕 (或按一下SETUP鍵) 進入ID調整畫面

(2) 旋轉飛梭旋鈕調整ID值，ID值範圍從0~255；按一下SETUP鍵儲存設定值

註1:此設定會影響 REMOSET 的使用；接收機與發射器的「裝置識別碼」設定值需相同才可使用REMOSET

註2:麥克風ID未啓用時則不受限制

掃描所有群組	
掃描中...	9%

掃描結果	
G: 1	CH: 1
Open Channel : 48	

2. 掃描結果列表
3. 掃描目前的群組
4. 返回

掃描目前的群組	
G: 1	CH: 1

掃描目前的群組	
G: 1	CH: 1 可用
按 Enter 儲存， Esc 離開	

2. 掃描結果列表
3. 掃描目前的群組
4. 返回

主選單	4. 掃描
	5. 接收靈敏度
	6. 裝置識別碼

接收靈敏度	
低	高
0dB	

主選單	6. 裝置 ID
	7. 麥克風設定
	8. 音量
裝置識別碼	
23	[0~255]

7. 麥克風設定：發射器REMASET 同步設定選項

旋轉飛梭旋鈕至「7. 麥克風設定」，按一下飛梭旋鈕（或按一下SETUP鍵），進入調整畫面

(1) 靈敏度

(1. 旋轉飛梭旋鈕至「1. 靈敏度」，按一下飛梭旋鈕（或按一下SETUP 鍵），進入調整畫面

(2. 旋轉飛梭旋鈕調整與設定的數值（-15dB~+15dB），按一下SETUP 鍵儲存設定值

(2) 輸入衰減：設定腰掛發射器麥克風輸入音量衰減

(1. 旋轉飛梭旋鈕至「2. 輸入衰減」，按一下飛梭旋鈕（或按一下SETUP 鍵），進入調整畫面

(2. 旋轉飛梭旋鈕選擇開啓或關閉：按一下SETUP 鍵儲存設定值

註：此設定不支援手握發射器

(3) 低音衰減：低音衰減

(1. 旋轉飛梭旋鈕至「3. 低音衰減」，按一下飛梭旋鈕（或按一下SETUP 鍵），進入調整畫面未設定低音衰減

(2. 飛梭旋鈕順時鐘轉1 格調整為低音衰減，按一下SETUP 鍵儲存設定值

(4) 射頻功率：射頻功率

(1. 旋轉飛梭旋鈕至「4. 射頻功率」，按一下飛梭旋鈕（或按一下SETUP 鍵），進入調整畫面

(2. 旋轉飛梭旋鈕選擇射頻功率

高→ 高發射功率

低→ 低發射功率

按一下SETUP 鍵儲存設定值

(5) 按鍵鎖定

(1. 旋轉飛梭旋鈕至「5. 按鍵鎖定」，按一下飛梭旋鈕（或按一下SETUP 鍵），進入調整畫面

(2. 旋轉飛梭旋鈕選擇鎖定或解鎖，按SETUP 鍵儲存設定

(6) 同步選項：選擇REMASET 同步傳送設定項目

(1. 旋轉飛梭旋鈕至「6. 同步選項」，按一下飛梭旋鈕（或按一下SETUP 鍵），進入設定畫面

(2. 旋轉飛梭旋鈕選擇項目，按一下旋鈕做勾選；REMASET 只對勾選項目做同步傳送設定，至少需選擇一個項目

☐ 頻率 ☐ 低音衰減 ☐ 使用者名稱

☐ 靈敏度 ☐ 射頻功率 ☐ 儲存後離開

☐ 輸入衰減 ☐ 按鍵鎖定 ☐ 不儲存離開

選擇完後按SETUP 鍵儲存設定

(7) 返回：回主選單

旋轉飛梭旋鈕到「7. 返回」，按一下飛梭旋鈕回主選單

主選單	6. 裝置 ID
	7. 麥克風設定
	8. 音量
1. 靈敏度	
2. 輸入衰減	
3. 低音衰減	
靈敏度	
+3 dB	
1. 靈敏度	
2. 輸入衰減	
3. 低音衰減	
輸入衰減	
☐ 開啟	
☐ 關閉	
3. 低音衰減	
4. 射頻功率	
5. 按鍵鎖定	
低音衰減	
低音衰減	
3. 低音衰減	
4. 射頻功率	
5. 按鍵鎖定	
射頻功率	
☐ 高	
☐ 低	
3. 低音衰減	
4. 射頻功率	
5. 按鍵鎖定	
按鍵鎖定	
☐ 鎖定	
☐ 解鎖	
5. 按鍵鎖定	
6. 同步選項	
7. 返回	
5. 按鍵鎖定	
6. 同步選項	
7. 返回	

8. 音量：音量調整

- (1) 旋轉飛梭旋鈕到「8. 音量」，按一下飛梭旋鈕(或按一下SETUP鍵)進入音量調整畫面
- (2) 旋轉飛梭旋鈕調整音量，調整範圍從Mute、-50~0dB，按一下SETUP鍵儲存設定

主選單	6. 裝置 ID
	7. 麥克風設定
	8. 音量
音量	
-10dB	

9. 等化器：等化器設定

- (1) 旋轉飛梭旋鈕到「9. 等化器」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕，共有如下4種等化器功能
 - 等化器功能未開啓(圖1)
 - 降低低頻段增益(圖2)
 - 提升高頻段增益(圖3)
 - 降低低頻段與提升高頻段增益(圖4)
 按一下SETUP鍵儲存設定

1 等化器	2 等化器
3 等化器	4 等化器

a. 輸出衰減：XLR音源輸出座音量衰減設定

- (1) 旋轉飛梭旋鈕至「a. 輸出衰減」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕選擇關閉或開啓：選擇「開啓」時，XLR音源輸出座音量下降「-20dB」；按一下SETUP鍵儲存設定

主選單	a. 輸出衰減
	b. 天線供電
	c. 用戶名稱
輸出衰減	
☐ 關閉	
☒ 開啟	

b. 天線供電：天線強波器(天線 A(或B) IN 座) 電源設定

- (1) 旋轉飛梭旋鈕至「b. 天線供電」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕選擇：
 - 開啓：輸出電壓+12VDC
 - 關閉：輸出電壓0V
 按一下SETUP鍵儲存設定

主選單	a. 輸出衰減
	b. 天線供電
	c. 用戶名稱
天線供電	
☐ 開啟	
☒ 關閉	

c. 用戶名稱：使用者名稱設定

- (1) 旋轉飛梭旋鈕至「c. 用戶名稱」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕選擇欲使用的字元，確認後按一下飛梭旋鈕，同時跳到下一個字元設定，不需文字的位置選擇「空白」字元；共10個字元可設定，設定完後按SETUP鍵儲存設定

主選單	a. 輸出衰減
	b. 天線供電
	c. 用戶名稱
用戶名稱	
UF-20DA	
Char: 1/10	

共10個字元可設定
顯示目前設定第幾個字元

d. 螢幕對比：螢幕對比度

- (1) 旋轉飛梭旋鈕至「d. 螢幕對比」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕調整螢幕深淺，確認後按SETUP鍵儲存設定；數值越高，顏色越深共有7個等級可調整；按一下SETUP鍵儲存設定

主選單	d. 螢幕對比
	e. 語言
	f. 回復原廠設定
螢幕對比	
3/7	

e. 語言：設定語言選項

- (1) 旋轉飛梭旋鈕至「e. 語言」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕選擇「語言」中文或English按一下SETUP鍵儲存設定

f. 回復原廠設定

- (1) 旋轉飛梭旋鈕至「f. 回復原廠設定」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
註：回復原廠設定後所有數值將會回復原廠設定值，如需使用REMASET功能請再次確認ID碼是否與發射器相同
- (2) 按SETUP鍵開始回復設定

g. Dante

- (1) 左螢幕：可調整Dante音量及網路設定
 - (1. Dante Volume: 音量可調-50 ~ 0dB
 - (2. 網路：
 - DHCP：將 Mode 設定為 DHCP:使用DHCP模式時，在網路上須備有一個具DHCP伺服器功能的路由器
 - Manual：手動設置 IP 位置，按一下飛梭可設定 IP，Submask及Gateway 位址
設定完成後按一下Set鍵儲存設定值
註：改變 Mode 及 IP 後，Dante 模組會重新開機，須等待數秒後才會動作
- (2) 右螢幕：僅有調整Dante音量功能

h. 按鍵鎖定：設定按鍵鎖

- (1) 旋轉飛梭旋鈕至「g. 按鍵鎖定」，按一下飛梭旋鈕(或按一下SETUP鍵)進入設定畫面
- (2) 旋轉飛梭旋鈕選擇「鎖定」，確認後按SETUP鍵儲存設定；「鎖定」可將接收機面板按鍵鎖住，防止誤觸
 - 右側接收機可鎖定：REMASET、SETUP、飛梭旋鈕、EXIT、電源開關
 - 左側接收機可鎖定：REMASET、SETUP、飛梭旋鈕、EXIT
- (3) 按鍵鎖定後，按面板任一按鍵螢幕出現如圖字幕
- (4) 解除鎖定：按住SETUP 鍵二秒，直接進入「鎖定」按鍵鎖設定畫面，旋轉飛梭旋鈕選擇「解鎖」，按一下SETUP 鍵儲存設定

主選單	d. 螢幕對比
	e. 語言
	f. 回復原廠設定
English	
中文	

主選單	e. 語言
	f. 回復原廠設定
	g. Dante
接收機內所有儲存的資料將被刪除	
按 [SETUP] 2秒開始回復	

主選單	f. 回復原廠設定
	g. Dante
	h. 按鍵鎖定
1. 音量	
2. 網路	
3. 返回	
Dante 音量	
-10dB	
1. 音量	
2. 網路	
3. 返回	
MODE:DHCP IP:192.168.1.2 SUB:225.225.225.0 GW:192.168.1.1	
MODE:Manual IP:192.168.1.2 SUB:225.225.225.0 GW:192.168.1.1	

主選單	e. 語言
	f. 回復原廠設定
	g. 按鍵鎖定
按鍵鎖定	
● 鎖定	
○ 解鎖	
按 [SETUP] 2 秒解鎖	
按鍵鎖定	
○ 鎖定	
● 解鎖	

6-2 手握發射器系統操作設定 // JSS-20

6-2-1 電源鍵

1. 開啓電源

- 開機: 按一下電源開關
- 關機: 按住電源開關約1秒, 至螢幕顯示「關閉電源」
- 註: 按住電源鍵時會先出現「啓用靜音」或「解除靜音」(靜音狀態下)後再出現「關閉電源」

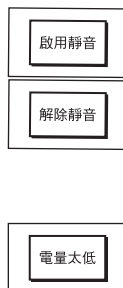
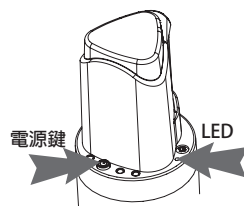
2. 靜音模式: 發射器在使用狀態時(螢幕在主畫面時)

- 設定靜音: 按一下電源鍵螢幕顯示「啓用靜音」, 靜音時, 電源指示燈為紅燈閃爍, 螢幕會跳靜音畫面
- 解除靜音: 按一下電源鍵螢幕顯示「解除靜音」

3. 離開設定選單

- 進入設定選單環境時: 按一下電源鍵回到主畫面
- 已進入各功能「選項」時, 按一下電源鍵回到設定選單, 再按一下回到主畫面

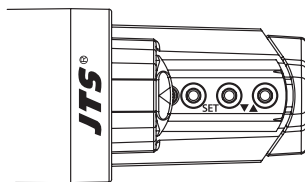
註: 當電池處於低電量的狀態下螢幕會顯示「電量太低」, 大約30分鐘後發射器便會自動開機



6-2-2 選單功能設定:

按住SET鍵不放, 2秒後進入功能設定選單

1. 按▲、▼鍵, 選擇欲設定項目, 按SET鍵進入預設定選項
2. 進入選項後, 按▲、▼鍵調整所需數值後按SET鍵儲存設定值



1. 頻率設定

- (1) 按▲、▼鍵到「1. 頻率設定」, 按SET 鍵進入設定畫面
- (2) 調整左3位數頻率, 按▲、▼鍵以「+/-」1MHz為單位變動, 調整好後按SET鍵改調整右3位數頻率
- (3) 調整右3位數頻率: 按▲、▼鍵以「+/-」0.025MHz為單位變動, 調整完成後按SET鍵儲存設定值

1. 頻率設定
2. 預設群組
3. 靈敏度
頻率設定
624 .000 MHz
G: 1 CH: 1

2. 預設群組

- (1) 按▼▲鍵至「2. 預設群組」, 按SET鍵進入設定畫面
- (2) 進入畫面後按▲、▼鍵選擇欲使用群組, 按SET鍵儲存並切換到頻道設定
- (3) 按▲、▼鍵選擇欲使用頻道, 調整完成後按SET鍵儲存設定值

1. 頻率設定
2. 預設群組
3. 靈敏度
預設群組
G: 1 C: 1
625.500 MHz

3. 靈敏度

- (1) 按▲、▼鍵至「3.靈敏度」，按SET鍵進入設定畫面
- (2) 按▲、▼鍵調整靈敏度，以1 dB為單位變動，靈敏度範圍-15dB~+15dB，調整完成後按SET鍵儲存設定值

1. 頻率設定
2. 預設群組
3. 靈敏度
靈敏度
0 dB

4. 低音衰減

- (1) 按▲、▼鍵至「4.低音衰減」，按SET鍵進入設定畫面
- (2) 按▲、▼鍵：關閉或開啓低音衰減功能，調整完成後按SET鍵儲存設定值

低音衰減	低音衰減
關 	開 

2. 預設群組
3. 靈敏度
4. 低音衰減

5. 裝置ID

- (1) 按▼▲鍵至「5.裝置ID」，按SET鍵進入設定畫面
- (2) 按▲、▼鍵選擇裝置識別碼，範圍0~255，確認後按SET鍵，同時切換到設定識別碼-啓用/不啓用
 - (1. 按▲鍵:啓用，麥克風與接收機的識別碼須相同方能使用REMOSSET 功能，調整完成後按SET鍵儲存設定值
 - (2. 按▼鍵:不啓用，無視ID值，麥克風接收所有「識別碼的接收機」所傳送的REMOSSET資料，調整完成後按SET鍵儲存設定值

5. 裝置 ID
6. 對頻功能
7. 射頻功率
裝置 ID
0
ID: 不啟用

6. 對頻功能 (Remoset)

- (1) 按▲、▼鍵至「6.對頻功能」，按SET鍵進入設定畫面
- (2) 按▲鍵:開啓，可使用對頻功能(Remoset)
按▼鍵:關閉，不可使用對頻功能(Remoset)，但麥克風較為省電；不需使用對頻功能時，可設定為「關閉」以延長電池的使用時間，調整完成後按SET鍵儲存設定值

5. 裝置 ID
6. 對頻功能
7. 射頻功率
對頻功能
☐ 開啟
☐ 關閉

7. 射頻功率

- (1) 按▲、▼鍵至「7.射頻功率」，按SET鍵進入設定畫面
- (2) 按▲鍵:高→ 高射頻功率，調整完成後按SET鍵儲存設定
按▼鍵:低→ 低射頻功率，調整完成後按SET鍵儲存設定

注意：設定為高射頻功率時麥克風耗電量較大，將縮短電池使用時間

5. 裝置 ID
6. 對頻功能
7. 射頻功率
射頻功率
☐ 高
☐ 低

8. 螢幕對比

- (1) 按▲、▼鍵至「8.螢幕對比」，按SET鍵進入設定畫面
- (2) 按▲、▼鍵調整對比度，數值越大，顏色越深，反之則越淺調整範圍0~20，調整完成後按SET鍵儲存設定值

8. 螢幕對比
9. 背光時間
a. 用戶名稱
螢幕對比
10

9. 背光時間

(1) 按▲、▼鍵至「9. 背光時間」，按SET鍵進入設定畫面

(2) 按▲、▼鍵選擇背光時間；可選擇：關閉、5~30Sec (以5Sec為單位變動)、恆亮，調整完成後按SET鍵儲存設定值

註：螢幕背光時間越久，電池使用時間越短

a. 用戶名稱

(1) 按▲、▼鍵至「a. 用戶名稱」，按SET鍵進入設定畫面

(2) 按▲、▼鍵選擇字元，確認後按SET鍵並設定下一個字元，不需文字的位置選擇「空白」字元，共有十個字元可設定，調整完成後按SET鍵儲存設定值

b. 語言

(1) 按▲、▼鍵至「b. 語言」，按SET 鍵進入設定畫面

(2) 按▲、▼鍵：選擇English或中文，調整完成後按SET鍵儲存設定值

c. 重置

(1) 按▲、▼鍵至「c. 重置」，按SET 鍵進入設定畫面

(2) 按▲鍵：選擇確定，重置手握發射器內部資料，按SET鍵儲存設定
按▼鍵：選擇取消，取消重置設定，按SET鍵儲存設定

d. 按鍵鎖定

(1) 按▲、▼鍵至「d. 按鍵鎖定」，按SET 鍵進入設定畫面

(2) 按▲鍵：鎖定，可將所有按鍵鎖住，防止誤觸；按SET 鍵儲存設定

(3) 解除鎖定：當螢幕顯示在主畫面，按住SET鍵2秒不放，直接進入按鍵鎖定畫面，按▼鍵解鎖，按SET鍵儲存設定

e. 離開設定

按▲、▼鍵至「e. 離開設定」，按SET 鍵回到主畫面

8. 螢幕對比

9. 背光時間

a. 用戶名稱

背光時間

10秒

8. 螢幕對比

9. 背光時間

a. 用戶名稱

用戶名稱

JSS-20

Char:1/10

共10個字元可設定
顯示目前設定第幾個字元

b. 語言

c. 重置

d. 按鍵鎖定

English

中文

b. 語言

c. 重置

d. 按鍵鎖定

麥克風內儲存的

資料將被刪除

確定/ 取消

b. 語言

c. 重置

d. 按鍵鎖定

按鍵鎖定

● 鎖定

○ 解鎖

c. 重置

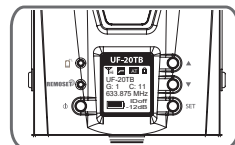
d. 按鍵鎖定

e. 離開設定

6-3 腰掛式發射器系統操作設定 // UF-20TB

6-3-1 開啟UF-20TB 腰掛式發射器電源

1. 開啟電源：按一下電源鍵
2. 關閉電源：電源鍵按住不放，約2秒螢幕顯示「關閉電源」後，腰掛發射器關機
3. 離開功能設定選單：當處於功能設定選單環境時，按一下電源鍵，可跳回螢幕主視窗



6-3-2 選單功能設定

按住SET鍵不放，2秒後進入功能設定選單：

1. 按▲、▼鍵，選擇欲設定項目，按SET鍵進入選單
2. 進入選單後，按▲、▼鍵調整所需數值；按SET鍵儲存設定值

1. 頻率設定：設定頻率

- (1) 按▲、▼鍵到頻率設定，按SET鍵進入頻率設定畫面
- (2) 進入頻率調整畫面，先調整左3位數頻率，按▲、▼鍵以「+/-」1MHz為單位變動，調整好後按SET鍵改調整右3位數頻率
- (3) 調整右3位數頻率：按▲、▼鍵以「+/-」0.025MHz為單位變動，調整完成後按SET鍵儲存設定值

頻率設定

預設群組
靈敏度
輸入衰減

頻率設定

633.875
G: 1 C: 11

2. 預設群組：設定群組與頻道

- (1) 按▲、▼鍵至預設群組，按SET鍵進入「預設群組」設定畫面
- (2) 進入畫面後按▲、▼鍵選擇欲設定群組，按SET鍵後切換到設定頻道
- (3) 按▲、▼鍵選擇欲設定頻道後，按SET鍵儲存設定

頻率設定

預設群組
靈敏度
輸入衰減

預設群組

G: 12
C: 8
632.875MHz

3. 靈敏度

- (1) 按▲、▼鍵至靈敏度，按SET鍵進入「靈敏度」感度設定畫面
- (2) 按▲、▼鍵調整靈敏度，以1 dB為單位變動，感度調整範圍-15dB~+15dB；選定後按SET鍵儲存設定

頻率設定

預設群組
靈敏度
輸入衰減

靈敏度

-12 dB

4. 輸入衰減：腰掛發射器麥克風輸入音量衰減

- (1) 按▲、▼鍵至輸入衰減，按SET鍵進入「輸入衰減」設定畫面
- (2) 按▲、▼鍵，選擇開啓或關閉，調整完成後按SET鍵儲存設定值

頻率設定

預設群組
靈敏度
輸入衰減

輸入衰減

○ 開啟
○ 關閉

5. 低音衰减

- (1) 按▲、▼鍵至低音衰减，按SET鍵進入「低音衰减」設定畫面
- (2) 按▲、▼鍵，選擇開啓或關閉，調整完成後按SET鍵儲存設定值

低音衰减
裝置ID
對頻功能
射頻功率

低音衰减	低音衰减
	
啟用	關閉

6. 裝置 ID：設定裝置碼

- (1) 按▲、▼鍵至裝置 ID，按SET鍵進入「裝置 ID」設定畫面
- (2) 按▲、▼鍵調整預設的ID值，範圍從0~255；調整完後按SET鍵切換到設定ID：開啓/關閉
 - 開啓→麥克風的ID須與接收機的 ID 碼相同方能使用 REMOSET 功能
 - 關閉→無視ID值，麥克風接收所有「識別碼的接收機」所傳送的 REMOSET資料，調整完成後按SET鍵儲存設定值

註：此設定會影響 REMOSET 的使用

低音衰减
裝置ID
對頻功能
射頻功率
裝置ID
0
關閉

裝置ID
0
開啟 關閉

7. 對頻功能：設定對頻功能開啓/關閉

- (1) 按▲、▼鍵至對頻功能，按SET鍵進入「對頻功能」設定畫面
- (2) 按▲鍵：開啓，可使用對頻功能（Remoset），調整完成後按SET鍵儲存設定值
- (3) 按▼鍵：關閉，不可使用對頻功能（Remoset），但麥克風較為省電；不需使用對頻功能時，可設定為「關閉」以延長電池的使用時間，調整完成後按SET鍵儲存設定值

低音衰减
裝置ID
對頻功能
射頻功率
對頻功能
☐ 開啟
☐ 關閉

8. 射頻功率：設定發射功率

- (1) 按▲、▼鍵至射頻功率，按SET鍵進入「射頻功率」畫面設定發射功率
- (2) 按▲鍵：高→ 高發射功率，調整完成後按SET鍵儲存設定值
按▼鍵：低→ 低發射功率，調整完成後按SET鍵儲存設定值

注意：設定為「高發射功率」時，麥克風耗電量較大，將縮短電池使用時間

低音衰减
裝置ID
對頻功能
射頻功率
射頻功率
☐ 高
☐ 低

9. 螢幕對比：調整螢幕深淺對比度

- (1) 按▲、▼鍵至螢幕對比，按SET鍵進入「螢幕對比」畫面，調整螢幕深淺對比度
- (2) 按▲、▼鍵調整對比度，數值越大，顏色越深，反之則越淺；共有0 ~ 20 21個等級可調整，調整完成後按SET鍵儲存設定值

螢幕對比
背光時間
用戶名稱
語言
螢幕對比
10

10. 背光時間：設定螢幕背光時間

- (1) 按▲、▼鍵至背光時間，按SET鍵進入「背光時間」畫面，設定螢幕背光時間
- (2) 按▲、▼鍵選擇背光時間；可選擇關閉、5~30秒（以5秒為單位變動）、恆亮螢幕背光時間越久，電池使用時間越短，調整完成後按SET鍵儲存設定值

螢幕對比
背光時間
用戶名稱
語言
背光時間
恆亮

11. 用戶名稱：設定用戶名稱

- (1) 按▲、▼鍵用戶名稱，按SET鍵進入「用戶名稱」畫面，設定用戶名稱
- (2) 按▲、▼鍵選擇字元，確認後按SET鍵並設定下一個字元，不需字元的位置選擇「空白」字元，確認後按SET鍵儲存設定，共有十個字元可設定

螢幕對比
背光時間
用戶名稱
語言
用戶名稱
F-20TB
Char:1 / 10

共10個字元可設定
顯示目前設定第幾個字元

12. 語言：設定語言

- (1) 按▲、▼鍵至語言，按SET鍵進入「語言」畫面，設定使用語言
- (2) 按▲、▼鍵，選擇English或中文，按SET鍵儲存設定值

螢幕對比
背光時間
用戶名稱
語言
English
中文

13. 重置

- (1) 按▲、▼鍵至重置，按SET鍵進入「重置」畫面
- (2) 按▲鍵，選擇確定，重置手握發射器內部資料，按SET鍵儲存設定值
按▼鍵，選擇取消，取消重置設定，按SET鍵儲存設定值

語言
重置
按鍵鎖定
離開設定
麥克風內 儲存的資料 將刪除
確定 取消

14. 按鍵鎖定：設定按鍵鎖

- (1) 按▲、▼鍵至按鍵鎖定，按SET鍵進入「按鍵鎖定」畫面，設定按鍵鎖
- (2) 按▲、▼鍵，選擇「全部鎖定」、「設定及電源鎖定」或「解鎖」
 - 全部鎖定：所有按鍵鎖住，防止誤觸，按SET鍵儲存設定值
 - 設定及電源鎖定：僅功能鍵鎖定，靜音鍵除外，按SET鍵儲存設定值
- (3) 解除鎖定：按住SET鍵2秒不放，直接進入按鍵鎖定畫面，按▼鍵，選擇解鎖，按SET鍵儲存設定值

語言
重置
按鍵鎖定
離開設定

按鍵鎖定	按鍵鎖定
全部鎖定	設定及電 源鎖定
解鎖	解鎖
按住設定 鍵 2秒解 鎖	按鍵鎖定
	全部鎖定
	鎖定解鎖

15. 離開設定

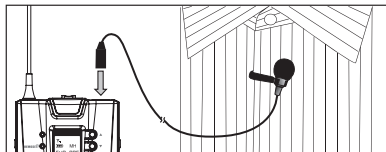
按▲、▼鍵至離開設定，按SET鍵回到主畫面

語言
重置
按鍵鎖定
離開設定

6-4 麥克風安裝說明

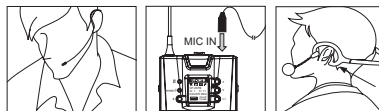
1. 領夾式麥克風

先將麥克風夾在領帶、衣領或適當的收音位置上，然後將麥克風的接頭插至腰掛式發射器的麥克風輸入插座，即完成安裝。



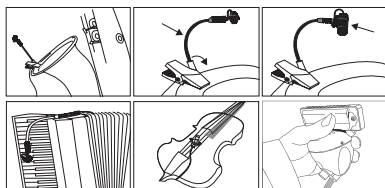
2. 戴式麥克風

將頸掛架戴在脖子後，並將耳勾架掛在雙耳上。調整麥克風鵝管，以取得最佳拾音位置，然後將麥克風的接頭插至腰掛式發射器的麥克風輸入插座，即完成安裝。



3. 樂器麥克風

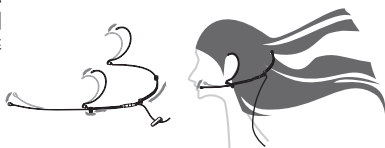
此系統可搭配JTS各式樂器麥克風使用。詳細使用說明請參閱樂器麥克風使用說明書。



4. 耳掛式麥克風

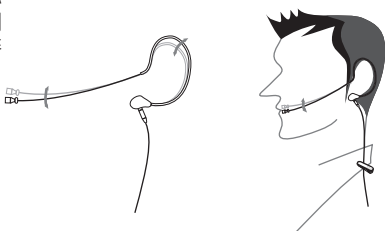
(1) 雙耳

依個人需求，調整可調式頭戴之鬆緊與耳掛之弧度然後將頭戴至於頭後，並將耳勾掛在雙耳上調整麥克風鵝管，以取得最佳拾音位置，然後將麥克風的接頭插至腰掛式發射器的麥克風輸入插座，即完成安裝。



(2) 單耳

依個人需求，調整可調式頭戴之鬆緊與耳掛之弧度然後將頭戴至於頭後，並將耳勾掛在雙耳上調整麥克風鵝管，以取得最佳拾音位置，然後將麥克風的接頭插至腰掛式發射器的麥克風輸入插座，即完成安裝。



7. 產品注意事項

- ※ 為達到最佳收訊效果，請盡量保持接收機與發射器的間隔距離
- ※ 接收機、發射器與其他金屬物品保持一段距離，至少50公分。
- ※ 為避免產生回受、嘯叫，請勿將發射器直接對準喇叭。
- ※ 建議握住發射器(麥克風)本體的中段部位，可以達到最加拾音效果。
- ※ 當長時間不在使用發射器時，請將電池槽內的電池取出，以避免電解液流出，損害發射器。
- ※ 更換電池時，請同時換掉2顆電池，或使用同一品牌的電池，才能確保最佳電力效能。



UF-20DA/JSS-20/UF-20TB

UHF PLL 75MHz 寬頻純自動選訊系統

UHF PLL 75MHz Professional Wideband

True Diversity System



JTS JTS[®] PROFESSIONAL CO., LTD.

41280 台中市大里區工業九路148號

No. 148, 9th Industry Road, Ta-Li Industrial Park,
Taichung City, Taiwan.

電話/Tel: 886-4-24938803 傳真/Fax: 886-4-24914890

信箱/E-mail: jts@jts.com.tw 台灣內銷業務: sales@jts.com.tw
www.jts.com.tw



59508-141-01