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UHF PLL
Single/Dual Channel Diversity System

E-7TH(D)/E-7TB(D) Instruction Manual



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1. Important Caution

- Always makes all connections before plugging the unit into an AC power outlet.
- Do not leave the device in a place neither with high temperature nor high humidity.
- Always do not handle the power cord with wet hands!
- Keep the devices away from fire and heat sources.

2. Features

- Operated in UHF band where there is less RF interference than the VHF band.
- Due to the PLL synthesized technology, the system offer 16 selectable channel.
- Advanced antenna diversity ensure the stable transmission and reception.
- Tuned antennas can benefit the stable RF reception.
- Built-in Tone key Squelch & Noise Mute detection are available to restrain the interference signal.
- Rugged plastic housing can pass through the difficult environment.
- Equipped with balanced Ø6.3 mm phone Jack.
- Body-pack transmitter provides phantom powering for condenser lavaliere and headset microphones.

3. Specification

3-1 Receiver

Model No	E-7R / E-7Du
Frequency Preparation	PLL Synthesized Control
Carrier Frequency Range	470~960 MHz
S/N Ratio	> 100dB
T.H.D	<0.6%@1KHz
Display	LED
Display Contents	RF/AF Status
Controls	Power On/Off, Channel Selecting, Audio Level
Audio Output Level	15dB
AF Output Impedance	600Ω
Squelch	Pilot Tone, Noise and Mute
Operation Voltage	12 VDC, 150mA (E-7R)
j	12 VDC, 250mA (E-7Du)
Output Connector	1 Balanced Ø6.3mm phone jack
Dimension (m/m)	221mm (W)* 40mm (H)* 152mm (D)

3-2 Handheld Transmitter

Model No	E-7TH(D)
Frequency Preparation	PLL Synthesized Control
Carrier FrequencyRange	470~960 MHz
RF Outputs	10mW
Stability	±10KHz
Frequency Deviaion	±48KHz
LED Display	Power On/Off, Low battery, mute
Controls	Power On/Off, Channel Selecting, mute
Spurious Emissions	<-60 dBC
Audio Frequency Resonse	50~16,000 Hz
Battery	UM3, AA 1.5V*2

3-3 Body-pack Transmitter

Model No..... E-7TB(D)

Frequency Preparation...... PLL Synthesized Control

Carrier Frequency Range..... 470~960 MHz

 $LED\ Display.....Power\ On/Off, Low\ battery\ , mute$

3-4 Optional Condenser Microphone

Lavaliere Microphone

Model No	CM-501	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)	-60±3 dB	-60±3 dB	-53±3 dB
Impedance	$2.2k\Omega$	$2.2k\Omega$	$4.4k\Omega$
Max. SPL for 1% THD	130dB	130dB	130dB
Dimension(mm)	Ø10.1mm(W)	Ø5mm(W)	Ø4mm(W)
	* 26.4mm(H)	*9mm(H)	* 11mm(H)
Net Weight	21.5g	20.7g	7g (cable excluded)

Headset Microphone

Headset Micropho	ne		
Model No	CM-214i	CM-214Ui	CM-214ULi
Connector	801C4	4P Mini XLR	801C3 (3P Mini XLR)
	(4P Mini XLR)		801C4 (4P Mini XLR)
			801CS (3.5 stereo plug)
Option Connector	801C3 (3P Mini XLR)		801CR
	801CS (3.5 stereo plug)		
	801CR		
Frequency Response		30~18,000 Hz	100 ~ 18,000Hz
Polar Pattern		Cardioid	Cardioid
Sensitivity (at 1000Hz)		-68±3 dB	-65±3 dB
Impedance		680Ω	1.8kΩ
Max. SPL for 1% THD		130dB	120dB
Dimension(mm)		205mm(W)	125mm(W)
	* 134mm(H)	* 134mm(H)	1 1
	* 157mm(D)	* 157mm(D)	* 157mm(D)
Net Weight	32.9g	38.4g	18g (cable excluded)
Model No	CM-235i	CX-504	
Connector	801C4 (4P Mini XLR)	4P Mini XLR	
Frequency Response	50~18,000 Hz	30~18,000 H	Iz
Polar Pattern		Cardioid	
Sensitivity (at 1000Hz)	-53±3 dB	-68±3 dB	
Impedance		680Ω	
Max. SPL for 1% THD	130dB	130dB	
Dimension(mm)	155mm(W)	285mm(W)	
	* 134mm(H)	* 55mm(H)	
	* 157mm(D)	* 111.3mm(
Net Weight	17g (cable excluded)	56.3g	4

Ear-hook Microphone

Model No	CM-801/CM-804i	CM-8015/CM-825i
Connector	801C4 (4 pin mini XLR)	801C4 (4 pin mini XLR)
Option Connector	801C3 (3 pin mini XLR)	801C3 (3 pin mini XLR)
	801CS (3.5 stereo plug)	801CS (3.5 stereo plug)
	801CR	801CR
Frequency Response	60~15,000 Hz	50~18,000 Hz
Polar Pattern	Omni-directional	Omni-directional
Sensitivity (at 1000Hz)	-64±3 dB	-53±3 dB
Impedance	1.8 k Ω	$1.2k\Omega$
Max. SPL for 1% THD	130dB	130dB

Compatible Instrument Microphone

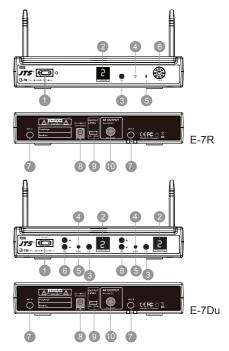
Model No		CX-500F 4P Mini XLR	CX-520 4P Mini XLR
		50~18,000 Hz	50~18,000 Hz
Frequency Response			,
Polar Pattern		-58±3dB	-78±3dB
Sensitivity (at 1000Hz)		-36±3db 1.5kΩ	-/8±3db 600Ω
Impedance Max. SPL for 1% THD		1.3k22 130 dB	148 dB
Good For		Flutes	Harmonica
Good For	Violin	riutes	Harmonica

Model No	CX-508W	CX-516W
Connector	4P Mini XLR	4P Mini XLR
Frequency Response	50~18,000 Hz	50~18,000 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

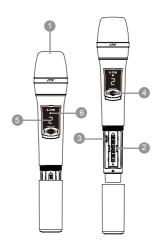
4-1 Receiver // E-7R / E-7Du

- 1 Power On/Off
- 2 7-SEG Display
- 3 Channel Selector
- 4 RF indicator
- **5** AF indicator
- 6 Volume control
- Antenna
- 8 DCV Input
- 9 0dB/-20dB Switch
- 10 Balanced 6.3mm phone Jack

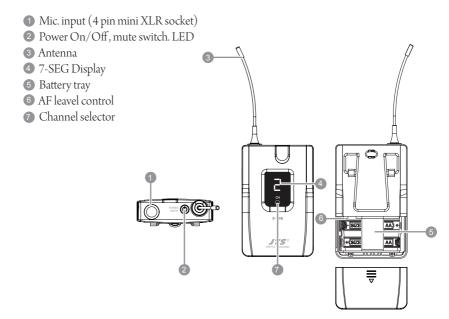


4-2 Handheld Transmitter // E-7TH(D)

- 1 Interchangeable capsule module
- 2 Battery tray
- Channel selector
- 4 Power On/Off, mute switch
- **5** 7-SEG Display
- 6 Power ON/OFF, mute, Low Batt. LED

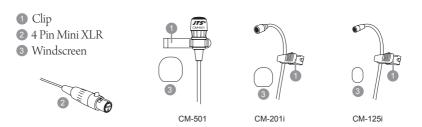


4-3 Body-pack Transmitter // E-7TB(D)



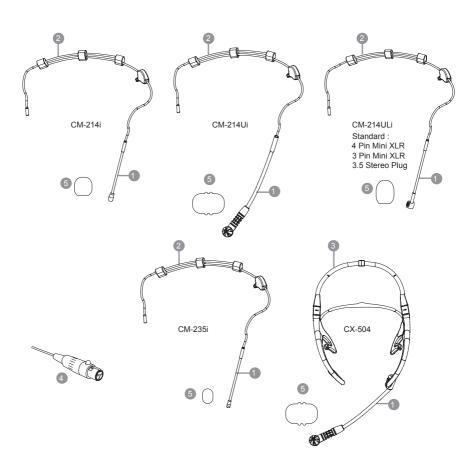
4-4 Optional Condenser Microphone

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

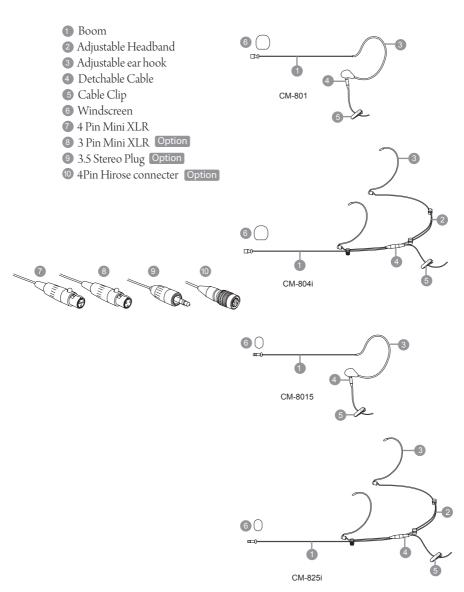


Headset Microphone // CM-214i / CM-214Ui / CM-214ULi / CM-235i / CX-504

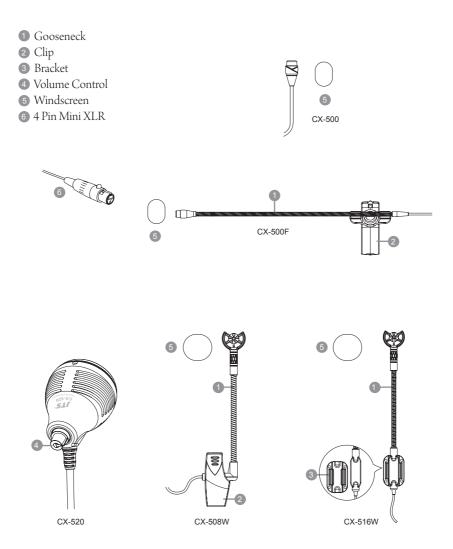
- Gooseneck
- 2 Adjustable headband
- 3 Headband
- 4 Pin Mini XLR
- Windscreen



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

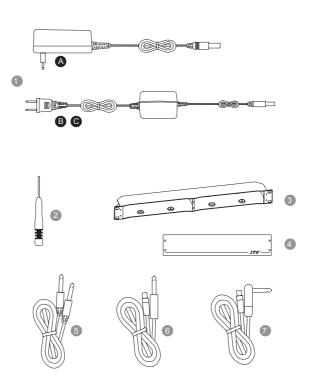


Compatible Instrument Microphone // CX-500 / CX-500F / CX-520 / CX-508W / CX-516W



4-5 Accessories

- AC/DC adaptor
 - A Switching Power Supply (100V~240V, 50~60Hz)
 - BLinear Power Supply (220V, 50Hz) Option
 - ©Linear Power Supply (220V, 60Hz) Option
- 2 Screwdriver
- 3 DR-900 Dual Rack Adaptor Option
- 4 RP-900 Panel Cover Option
- 5 AF output cable (with Ø6.3 plug at both ends)
- 6 GC-80/GC-100 Guitar Cable Option
- 7 GC-80L/GC-100L Guitar Cable Option



5. Preparing Procedures & Basic Operation

5-1 Receiver // E-7R / E-7Du

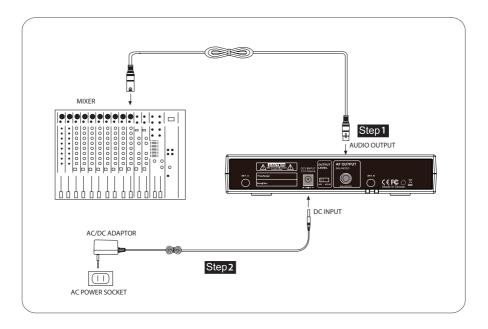
(1) Audio Output Connector

The receiver equipped with both balanced XLR output and unbalanced ϕ 6.3mm jack output; you can choose the proper way for using.

Connect one end of the Audio cable to the AF output socket in the rear panel of the receiver and plug another end to the "MIC IN" input socket of a mixer or amplifier. (Step 1 of Figure 1)

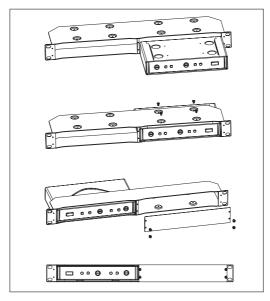
(2) Power connection

Connect one end of AC/DC adaptor cable to DC input socket in the rear panel of the receiver, and plug another end into an AC outlet. (Step 2 of Figure 1)



5-2 Rack Mounting

- (1) Before mount receivers onto DR-900 rack adaptor, please release any cables from the rear of the receiver.
- (2) Turn over receiver and DR-900 rack adaptor simultaneously, there are 4 threaded holes each in the bottom of receiver and rack adaptor for inserting screws.
- (3) Single receiver Insert in a receiver through the front of DR-900 until it is firmly attached to the rack, then screw on a RP-900 to another side of the rack. (Figure 4)
- (4) Dual receivers The same way as above, put one receiver to each rack space.

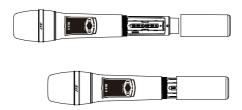


(Figure 4)

5-3 Battery Insertion of the transmitter

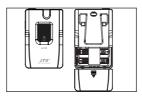
 $E\text{-}7TH(D) \, Series \, Handheld \, Transmitter$

- 1. Insert 2 pcs 1.5V AA batteries into the battery tray.
- 2. After putting into the battery, switch on the power switch.



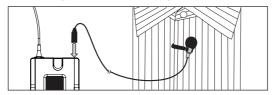
5-4 Body-pack Transmitter // E-7TB(D)

(1) Slide the battery tray cover in the direction of the arrow to open it. Insert two 1.5V batteries according to the correct polarity, and return the cover.



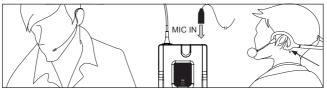
(2) Lavaliere microphone

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



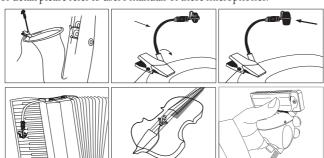
(3) Headset microphone

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.



(4) Instrument Microphones

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

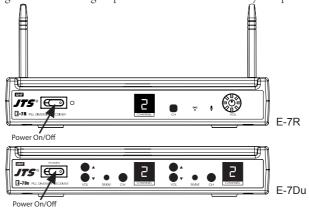


6. System operation

Be sure to mute the audio signal of a mixer or amplifier before turning on the receiver and transmitter.

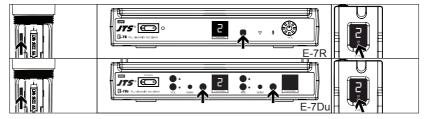
(1)Power on

Turn AF level on the receiver completely counter-clockwise to the minimum level, and switch on the receiver. As soon as you turn power of the receiver on, the power LED lights red, meanwhile the RF signal and AF LED light up to indicate the receiver is ready for operating.



Always it's a good idea to keep "open space" between transmitter and receiver, that will improve RF reception.

- (2) Selecting channel for the receiver and transmitter
 - Select a desired channel for the receiver and transmitters.
 Both receiver and transmitters are preprogrammed with 16 channels.



- 2. Make sure the channel of receiver matches that of the transmitter.
- 3. When 2 or more transmitters and receivers are being used in the same location, they must be set up to use different channels. If existing channel is being interfered, please change to another non-interference channel.

(6) Ear-hook Microphone

1. Lightweight Dual Ear Hook Microphone

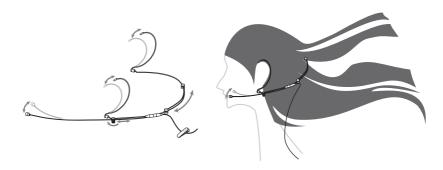
Try on whether the headset is fit.

Adjust the headband to a suitable width.

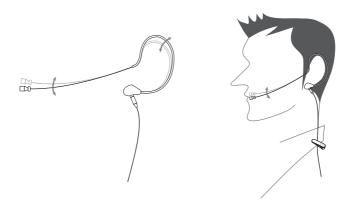
Tighten or loosen the curve of the ear-hook by twisting the loop or expanding it.

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. Recommendation

- (1) In order to achieve the optimum reception condition and also extend the operating distance, please leave a "open space" between the receiver and transmitter.
- (2) Keep the devices away from the metal objects or any interference sources, at least 50 cm.
- (3) To avoid the feed-back effect, don't leave the mic. to aim at the speakers directly.
- (4) For best pick-up pattern, please hold the middle of the mic. body.
- (5) Remove batteries from the battery compartment when the transmitter will not be used for a long time.
- (6)When you need to replace the batteries, please replace both batteries at the same time with new ones.

8. Important notice

- (1) 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.
- (2) 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).
- (3) 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.



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Display Contents	RF/AF Status
Controls	Power On/Off, Channel Selecting, Audio Level
Audio Output Level	15dB
AF Output Impedance	600Ω
Squelch	Pilot Tone, Noise and Mute
Operation Voltage	12 VDC, 150mA (E-7R)
j	12 VDC, 250mA (E-7Du)
Output Connector	1 Balanced Ø6.3mm phone jack
Dimension (m/m)	221mm (W)* 40mm (H)* 152mm (D)

3-2 Handheld Transmitter

Model No E-7TH(D)
Frequency Preparation PLL Synthesized Control
Carrier FrequencyRange 470~960 MHz
RF Outputs 10mW
Stability ±10KHz
Frequency Deviaion ±48KHz
LED Display Power On/Off, Low battery, mute
Controls
Spurious Emissions<-60 dBC
Audio Frequency Resonse 50~16,000 Hz
BatteryUM3, AA 1.5V*2

3-3 Body-pack Transmitter

Model No..... E-7TB(D)

Frequency Preparation...... PLL Synthesized Control

Carrier Frequency Range..... 470~960 MHz

 $LED\ Display.....Power\ On/Off, Low\ battery\ , mute$

3-4 Optional Condenser Microphone

Lavaliere Microphone

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Impedance	$2.2k\Omega$	$2.2k\Omega$	$4.4k\Omega$
Max. SPL for 1% THD	130dB	130dB	130dB
Dimension(mm)	Ø10.1mm(W)	Ø5mm(W)	Ø4mm(W)
	* 26.4mm(H)	* 9mm(H)	* 11mm(H)
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	* 134mm(H)	* 134mm(H)	
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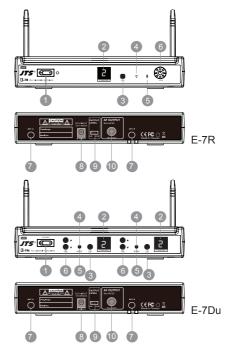
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Impedance	1.5 k Ω	1.5 k Ω	600Ω
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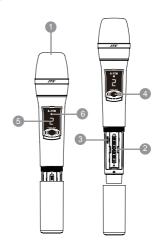
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- 4 RF indicator
- **5** AF indicator
- 6 Volume control
- Antenna
- 8 DCV Input
- 9 0dB/-20dB Switch
- 10 Balanced 6.3mm phone Jack

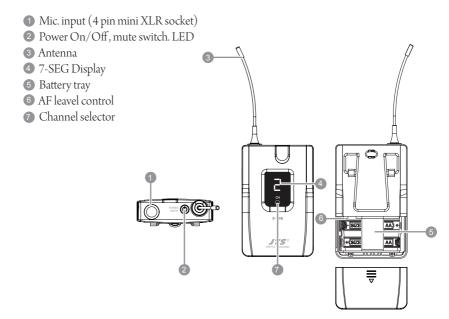


4-2 Handheld Transmitter // E-7TH(D)

- 1 Interchangeable capsule module
- 2 Battery tray
- Channel selector
- 4 Power On/Off, mute switch
- **5** 7-SEG Display
- 6 Power ON/OFF, mute, Low Batt. LED

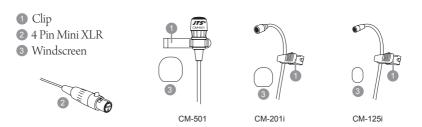


4-3 Body-pack Transmitter // E-7TB(D)



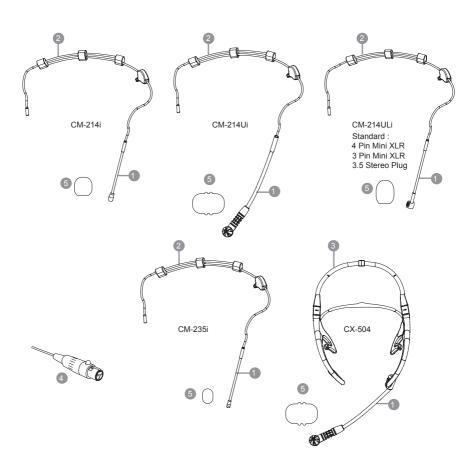
4-4 Optional Condenser Microphone

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

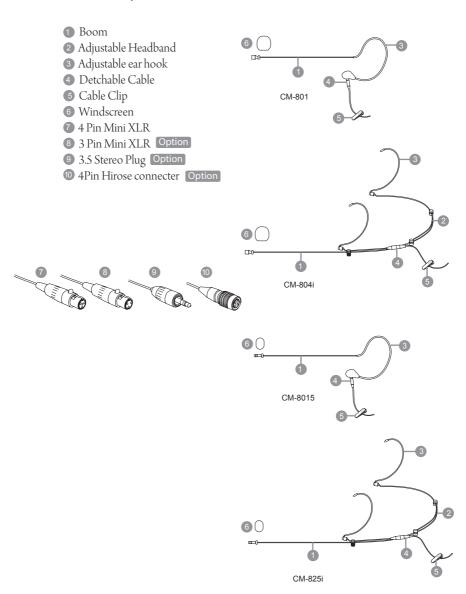


Headset Microphone // CM-214i / CM-214Ui / CM-214ULi / CM-235i / CX-504

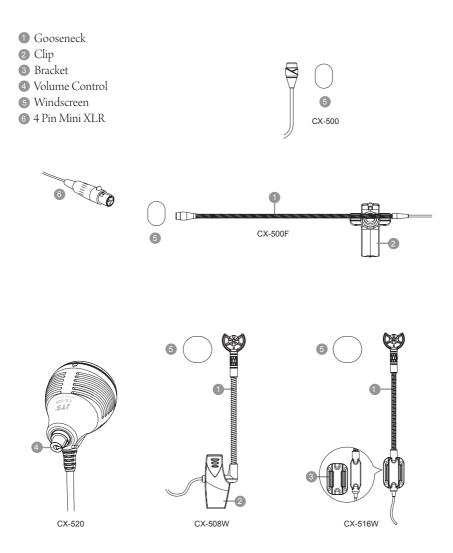
- Gooseneck
- 2 Adjustable headband
- 3 Headband
- 4 Pin Mini XLR
- Windscreen



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

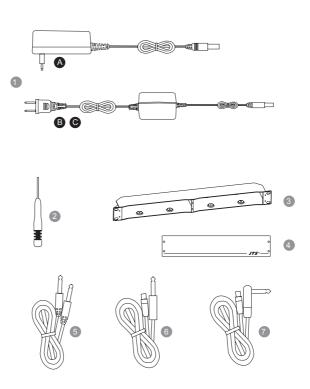


Compatible Instrument Microphone // CX-500 / CX-500F / CX-520 / CX-508W / CX-516W



4-5 Accessories

- AC/DC adaptor
 - A Switching Power Supply (100V~240V, 50~60Hz)
 - BLinear Power Supply (220V, 50Hz) Option
 - ©Linear Power Supply (220V, 60Hz) Option
- 2 Screwdriver
- 3 DR-900 Dual Rack Adaptor Option
- 4 RP-900 Panel Cover Option
- 5 AF output cable (with Ø6.3 plug at both ends)
- 6 GC-80/GC-100 Guitar Cable Option
- 7 GC-80L/GC-100L Guitar Cable Option



5. Preparing Procedures & Basic Operation

5-1 Receiver // E-7R / E-7Du

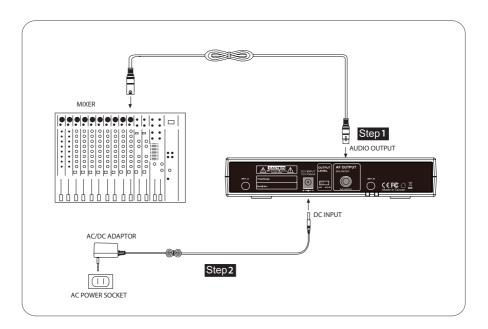
(1) Audio Output Connector

The receiver equipped with both balanced XLR output and unbalanced ϕ 6.3mm jack output; you can choose the proper way for using.

Connect one end of the Audio cable to the AF output socket in the rear panel of the receiver and plug another end to the "MIC IN" input socket of a mixer or amplifier. (Step 1 of Figure 1)

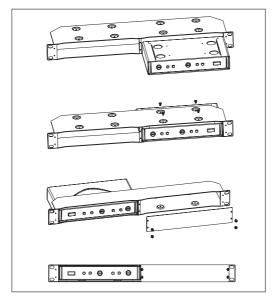
(2) Power connection

Connect one end of AC/DC adaptor cable to DC input socket in the rear panel of the receiver, and plug another end into an AC outlet. (Step 2 of Figure 1)



5-2 Rack Mounting

- (1) Before mount receivers onto DR-900 rack adaptor, please release any cables from the rear of the receiver.
- (2) Turn over receiver and DR-900 rack adaptor simultaneously, there are 4 threaded holes each in the bottom of receiver and rack adaptor for inserting screws.
- (3) Single receiver Insert in a receiver through the front of DR-900 until it is firmly attached to the rack, then screw on a RP-900 to another side of the rack. (Figure 4)
- (4) Dual receivers The same way as above, put one receiver to each rack space.

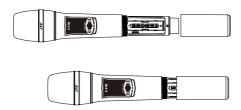


(Figure 4)

5-3 Battery Insertion of the transmitter

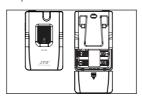
 $E\text{-}7TH(D) \, Series \, Handheld \, Transmitter$

- 1. Insert 2 pcs 1.5V AA batteries into the battery tray.
- 2. After putting into the battery, switch on the power switch.



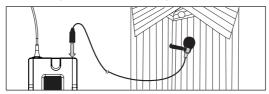
5-4 Body-pack Transmitter // E-7TB(D)

(1) Slide the battery tray cover in the direction of the arrow to open it. Insert two 1.5V batteries according to the correct polarity, and return the cover.



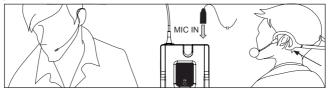
(2) Lavaliere microphone

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



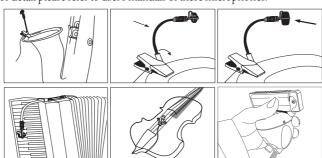
(3) Headset microphone

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.



(4) Instrument Microphones

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

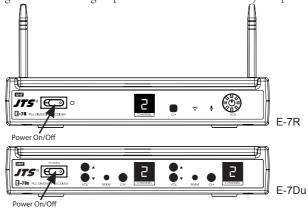


6. System operation

Be sure to mute the audio signal of a mixer or amplifier before turning on the receiver and transmitter.

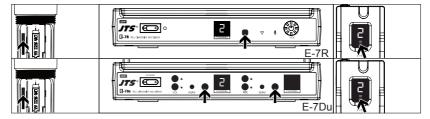
(1)Power on

Turn AF level on the receiver completely counter-clockwise to the minimum level, and switch on the receiver. As soon as you turn power of the receiver on, the power LED lights red, meanwhile the RF signal and AF LED light up to indicate the receiver is ready for operating.



Always it's a good idea to keep "open space" between transmitter and receiver, that will improve RF reception.

- (2) Selecting channel for the receiver and transmitter
 - Select a desired channel for the receiver and transmitters.
 Both receiver and transmitters are preprogrammed with 16 channels.



- 2. Make sure the channel of receiver matches that of the transmitter.
- 3. When 2 or more transmitters and receivers are being used in the same location, they must be set up to use different channels. If existing channel is being interfered, please change to another non-interference channel.

(6) Ear-hook Microphone

1. Lightweight Dual Ear Hook Microphone

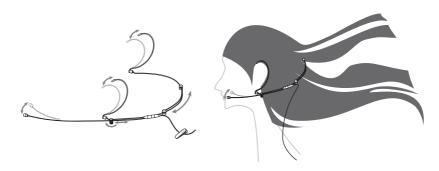
Try on whether the headset is fit.

Adjust the headband to a suitable width.

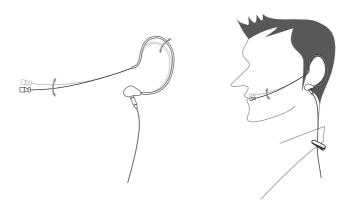
Tighten or loosen the curve of the ear-hook by twisting the loop or expanding it.

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. Recommendation

- (1) In order to achieve the optimum reception condition and also extend the operating distance, please leave a "open space" between the receiver and transmitter.
- (2) Keep the devices away from the metal objects or any interference sources, at least 50 cm.
- (3) To avoid the feed-back effect, don't leave the mic. to aim at the speakers directly.
- (4) For best pick-up pattern, please hold the middle of the mic. body.
- (5) Remove batteries from the battery compartment when the transmitter will not be used for a long time.
- (6)When you need to replace the batteries, please replace both batteries at the same time with new ones.

8. Important notice

- (1) 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.
- (2) 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).
- (3) 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.

Instruction Manual CM-501 / CM-502 / CX-506 / CX-508/ CX-504

Thank you for choosing the **JT5**[®] condenser microphones. In order to obtain the best efficiency for your performance, you are recommended to take few minutes to read this instruction manual carefully.

CM-501 Condenser lavalier microphone

Features

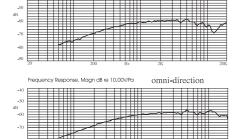
- The wide dynamic range and frequency response ensure clean, accurate sound
- There are 2 capsules type for choosing: uni-direction polar pattern and omni-direction
- The Uni-direction polar pattern ensures the best gain-before-feedback and with the omni-direction polar pattern, the microphone provides a natural sound effectively.
- The built-in power module provide easy operation.

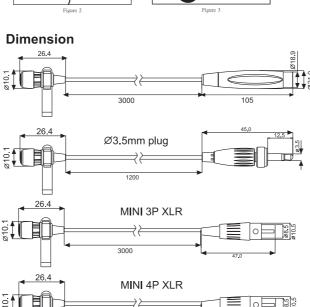
Use Instruction

- 1. Attach a lavalier microphone to the proper position of a speaker's jacket or dress. (Figure 1)
- 2. The optimal distance of sound pickup between sound source and lavalier microphone is within 5 ". (Figure 2)
- 3. Slip the windscreen on the head of microphone to reduce wind noise or popping noise. (Figure 3)

Specifications

Polar pattern	Uni-direction				Omni-direction			
Output connector	3P XLR	MINI 3P XLR	Ø3.5mm Plug	MINI 4P XLR	3P XLR	MINI 3P XLR	Ø3.5mm Plug	MINI 4P XLR
Freq. response	100 ~ 12,000Hz	100 ~ 12,000Hz	100 - 12,000Hz	100 ~ 12,000Hz				
Impedance	220Ω±30%	2.2kΩ±30%	2.2kΩ±30%	2.2kΩ±30%	220Ω±30%	2.2k±30%	2.2kΩ±30%	2.2kΩ±30%
Sensitivity(at 1,000Hz)	-60±3dB	-70±3dB	-70±3dB	-70±3dB	-60±3dB	-62±3dB	-62±3dB	-62±3dB
Max. SPL for 1% THD	130dB							
Accessories	Clothing clip, Windscreen							





LESS THAN 5'

CM-502 Condenser hanging microphone

Features

- The CM-502 is a condenser microphone with a supercardioid polar pattern, it features wide dynamic range and frequency response for accurate sound reproduction.
- High sensitivity allows sound pickup smartly.
- Attaching flexible mic. hanger benefits microphone in the proper orient of sound source.

Installation of mounting plate

- 1. Pass microphone through the hole in the center of mounting plate as (Figure 1).
- 2. Adhere the sticker to the reserve side of the plate to cover the hole. Pass cable through one fissure on the sticker and adhere the sticker to the relief outline on the plate center. (Figure 2)
- 3. Select the suitable cable length, then pass the cable through the chip at the plate rim, finally fix the plate on the ceiling or wall by 4 screws. (Figure 4)

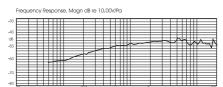
- [1.] To find out the best position for fixing microphone.
- The optimum sound accepting range is within 120° in horizontal space. (Fig.5)
- Proper distance between microphone and front sound source is less than 100 cm, and less than 250 cm to the rear source
- If more than 2 microphones will be used simultaneously in the same environment, keep the latter microphone 300 cm far from the former one. (Fig.6)
- To aim the microphone between the front source and the rear source for well-balanced sound pickup.
- [2.] To wind the wire around flexible hanger for holding microphone toward the suitable direction. (Fig.7)
- [3.] To slip windscreen over the head of microphone for prevent breath or popping noise. (Fig.8)

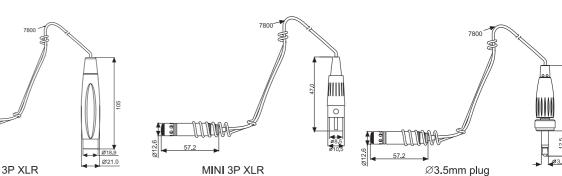
Specifications

Dimension

Use Installation

Output connector	3P XLR	MINI 3P XLR	Ø3.5mm Plug	
Freq. response	100 ~ 18,000Hz	100 ~ 18,000Hz	100 ~ 18,000Hz	
Polar pattern	Supercardioid	Supercardioid	Supercardioid	
Impedance	$220\Omega\pm30\%$	$2k \pm 30\%$	2k ± 30%	
Sensitivity(at 1,000Hz)	-48±3dB	-66±3dB	-66±3dB	
Max. SPL for 1% THD	125dB	125dB	125dB	
Accessoies	Mic. hanger, Windscreen	Mic. hanger, Windscreen	Mic. hanger, Windscreen	





CX-506 Condenser drum & percussion microphone

Features

- CX-506 features a frequency response specially designed for drum and percussion miking.
- Clamp with elastic grip benefits secure holding but causes no damage on the instrument.
- Self-contained electronics eliminate need of external power modules.

Use Instruction

- 1. Clamp the microphone to the ring of the drum. (Figure 1)
- 2. Adjust the mic. shaft to aim microphone at precise sound source position, recommended distance between the microphone and the drum surface is 2 inches. ((Figure 2)
- 3. Slip the windscreen on the head of microphone to reduce wind noise effectively. (Figure 3)





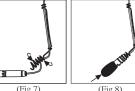


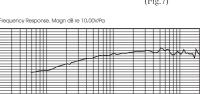






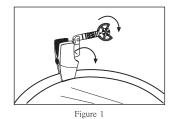


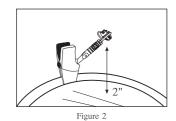












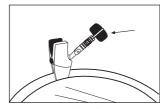
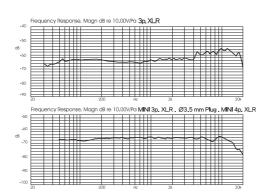


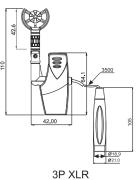
Figure 3

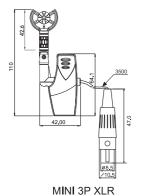
Specifications

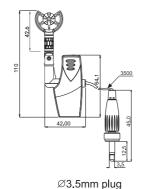
Output connector	3P XLR	MINI 3P XLR	Ø3.5mm Plug	MINI 4P XLR
Freq. response	50 ~ 18,000Hz	50 ~ 18,000Hz	50 ~ 18,000Hz	50 ~ 18,000Hz
Polar pattern	Cardioid	Cardioid	Cardioid	Cardioid
Impedance	$220\Omega \pm 30\%$	680Ω ± 30%	680Ω ± 30%	$680\Omega \pm 30\%$
Sensitivity(at 1,000Hz)	-64±3dB	-74±3dB	-74±3dB	-66±3dB
Max SPL for 1% THD	130dB	130dB	130dB	130dB
Accessory	Windscreen	Windscreen	Windscreen	Windscreen

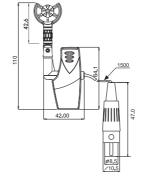


Dimension









MINI 4P XLR

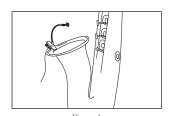
CX-508 Condenser wind instrument microphone

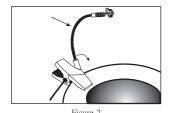
Features

- Flat response with slide peak of high frequency ensures natural and bright sound delivery.
- Good plastic gooseneck together with adjustable axis allow locating microphone in precise position on the bell of a horn.
- Clamp rim with elastic finish ensures tight holding and prevent leaving vestiges in the instrument.

Use Instruction

- 1. Attach the clamp to the desired location on the bell of instrument. (Figure 1)
- 2. Adjust gooseneck and rotary axis to a proper angle for sound pickup. (Figure 2)
- 3. Slip windscreen on microphone head to prevent wind noise. (Figure 3)



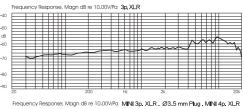


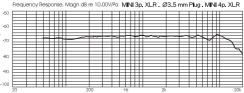


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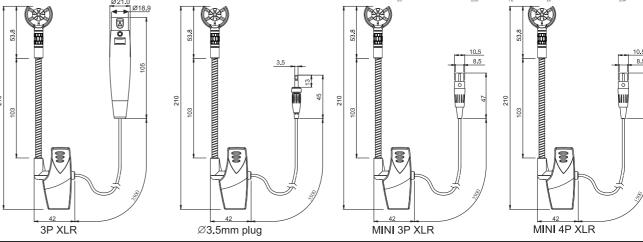
Specifications

Output connector	3P XLR	MINI 3P XLR	Ø3.5mm Plug	MINI 4P XLR
Freq. response	50 ~ 18,000Hz	50 ~ 18,000Hz	50 ~ 18,000Hz	50 ~ 18,000Hz
Polar pattern	Cardioid	Cardioid	Cardioid	Cardioid
Impedance	$220\Omega \pm 30\%$	680Ω ± 30%	680Ω ± 30%	$680\Omega \pm 30\%$
Sensitivity(at 1,000Hz)	-64±3dB	-74±3dB	-74±3dB	-66±3dB
Max. SPL for 1% THD	130dB	130dB	130dB	130dB
Accessories	Windscreen	Windscreen	Windscreen	Windscreen





Dimension



CX-504 Condenser Stage Headset Microphone

Features

- Flat response with slide peak of high frequency ensures natural and bright sound delivery.
- Excellent shock-mount design ensures superior isolation from movement and vibration.
- Lightweight and ergonomic design ensures comfortable wearing.

Use Instruction

Specifications

Type: Electret condenser

Impedance:680 $\Omega \pm 30\%$

Max. Input SPL: 130 dB

Frequency response:50 ~ 18,000Hz

Sensitivity: -66dB/0.5mV at 1,000 Hz

Output connector: MINI 4P. XLR (F) type

Polar pattern: Cardioid

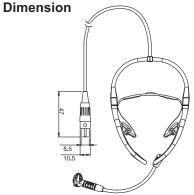
- 1. Put on the headset, make the neck-frame behind your head and the temples fix on ears as show (Figure 1).
- 2. Adjust gooseneck to aim the microphone toward a suitable place for sound pick-up. (Figure 2)
- 3. Plug the connector into the input socket of body-pack transmitter, then turn on the power for operation. (Figure 3)







figu





Windscreen

MINI 4P XLR

3.