



# JTS

**JS-1Tube**

STUDIO MICROPHONE

*large-diaphragm vacuum tube studio microphone*

1 IMPORTANT CAUTIONS	1
2 FEATURE	1
3 PARTS IDENTIFICATION AND ACCESSORIES	2
3-1 JS-1 Tube	2
3-2 PS-9 Power Supply	3
3-3 Accessories	4
4 INSTALLATION	5
4-1 Shockmount Setup	5
4-2 Microphone Connection	6
4-3 Power Supply Installation	7
4-4 Connection Diagram	8
5 SPECIFICATION	9
5-1 JS-1 Tube & PS-9	9
5-2 Dimensions & Frequency Response	10

## 1. IMPORTANT CAUTIONS

- ⚡ Make all connections before plugging the unit into an AC power outlet.
- ⚡ Do not leave the devices in a place with high temperature or high humidity.
- ⚡ Do not handle the cord with wet hands.
- ⚡ Keep the devices away from fire and heat sources.

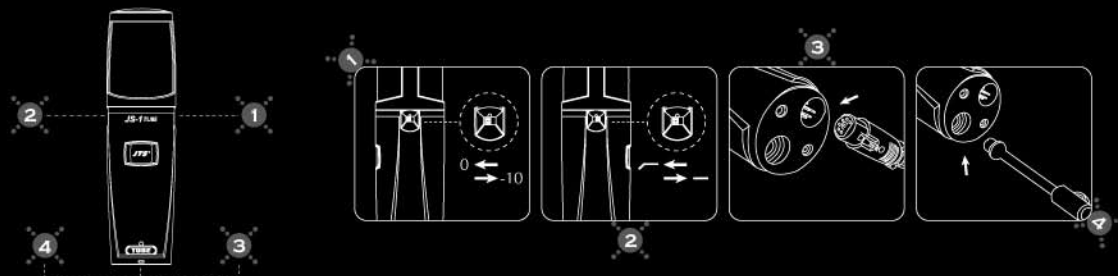
## 2. FEATURE

- ⚡ The JTS-1 Tube is a large-diaphragm vacuum tube studio microphone designed for use in the most demanding applications.
- ⚡ 9 switchable polar patterns for placement and application flexibility.
- ⚡ Smooth "tube" sound adds warmth and life to digital recordings.
- ⚡ A specially contoured 1" super thin 24k gold plated diaphragm provides superb reproduction of high sound pressure level signals at all frequencies.
- ⚡ A switchable 10db pad is built-in to increase the SPL capabilities.
- ⚡ A switchable low cut pad is built-in.
- ⚡ It's precise resolution and ability to handle high sound-pressure levels makes it an excellent all-purpose microphone.
- ⚡ Comes complete with power supply, metal spider-type shock mount, windscreen.
- ⚡ Applications : Broadcasting, Studio Vocal, Live Recording, Acoustic Guitar/Bass, Cymbals, Woodwinds, Saxophone.

### 3. PARTS IDENTIFICATION AND ACCESSORIES

#### 3-1 JS-1 Tube

- ① 10 dB attenuation switch
- ② Low-cut switch
- ③ 7-pin XLR male output
- ④ Socket Fixed to Flood stands



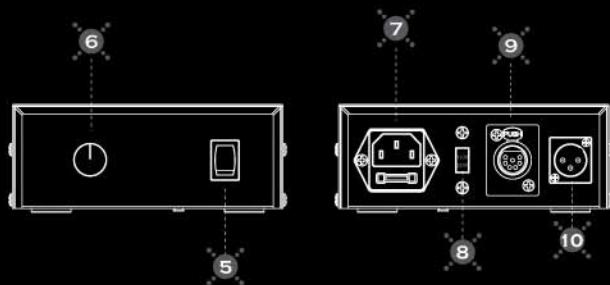
#### 3-2 PS-9 Power Supply

##### Front Panel

- ⑤ POWER ON/OFF Switch
- ⑥ 9-Pick-Up Pattern Switch

##### Back Panel

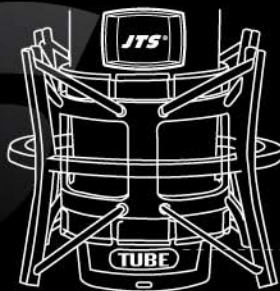
- ⑦ Power Socket
- ⑧ 220/110V Switch
- ⑨ 7-pin XLR female input
- ⑩ 3-pin XLR male output






### 3-3 Accessories

- 1 Metal spider-type mount
- 2 Windscreen
- 3 10-meter Dip 7-pin XLR cable
- 4 Power cord



## 4. INSTALLATION

### 4-1 Shockmount Setup

JS-1Tube is connected through spider-type mount  (recommended) or directly to floor stand or boom. The holder of shockmount is pushed on to microphone until the "Tube" nameplate can be seen again below the holder. This makes the microphone impossible to slide out from the shockmount.

#### 4-2 Microphone Connection

❖ Connect the 10-meter Dip 7-pin XLR cable **13** to the 7-pin XLR male output **3** on the JS-1 Tube.

❖ Connect another terminal of 10-meter Dip 7-pin XLR cable **13** to 7-pin XLR female input **5** on the back of the PS-9 power supply.



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#### 4-3 Power Supply Installation

- ❖ Select the correct voltage from 220/110V Switch **5**.
- ❖ Connect the power cord **14** from the power socket to the main supply.
- ❖ Select the suitable pattern from the 9 Pick-Up Pattern Switch **6**.
- ❖ Turn on the power from Power ON/OFF Switch **5**.



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#### Safety Notice:

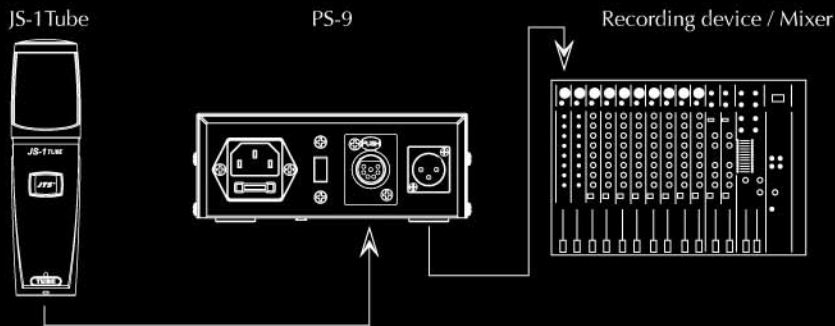
Only use the equipment under a dry environment. Don't expose the equipment to wet circumstances, and never place objects containing liquid on or near the equipment.

#### Warning:

Dangerous Voltage occurs inside PS-9. Remove the mains connection cable from the main supply before opening the equipment. This operation would be done only by qualified service personnel.



## 4-4 Connection Diagram



## 5. SPECIFICATION

### 5-1 JS-1Tube & PS-9

#### JS-1Tube

- ❖ Type : 1" Large Diaphragm Condenser Capsule
- ❖ Frequency Response : -35 dB\* (17.8mV) 0dB=1V /Pa,1kHz
- ❖ Sensitivity : 20 to 20,000 Hz
- ❖ Directional Pattern : 9 switchable polar patterns (O↔Q↔8)
- ❖ Attenuation Switch : -10dB
- ❖ Low Frequency Roll-off : 80Hz
- ❖ Impedance : 200 Ohms
- ❖ Max.SPL For 1% THD : 135dB at 1kHz
- ❖ Signal To Noise Ratio : 78dB
- ❖ Powering : PS-9 Power Supply
- ❖ Output : 7Pin XLR (M) (power module)
- ❖ Net Weight : 700 grams (24.7oz)
- ❖ Dimensions(mm) : Φ56mm(W) \* 207mm(H)

#### PS-9

- ❖ AC Input : AC 110/220V~, 50-60 Hz
- ❖ Current Consumption : 41 mA at 110VAC~  
23 mA at 220VAC~
- ❖ Controls : Power On/Off, 9 Pick Up Parremms
- ❖ Input Connector : 7-pin XLR Female
- ❖ Output Connector : 3-pin XLR Male
- ❖ Dimensions(mm) : 143.6mm(W) \* 55.9mm(H) \* 184.7mm(D)

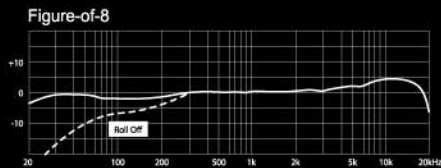
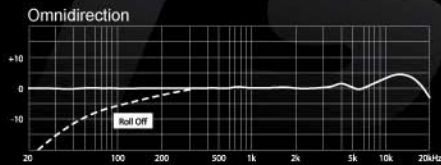
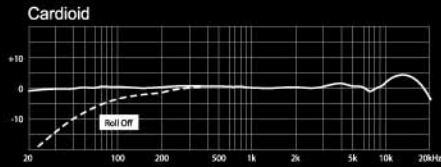
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## 5-2 Dimensions & Frequency Response



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