Music Life INFINITY

JTS®
IN264TB

SET

JTS®
REMOSET

JTS®
IN264R
REMOSET

AF | A |
RF | G 1 CH 16

AF | A |
RF | G 2 CH 16

SET

REMOSET

POWER

UHF PLL Dual Channel Diversity Wireless System

* The system is of the innovative design to allow changing the
 transmitter's frequency by long-distance .
* IN264R with band width of 36 MHz.
* Preset 6 groups, maximum 23 channels in one group.

IN264

REMOSET®

RoHS conform   FC C€ ①

59508-021-02

1. Important Caution

■ Always 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 power cord with wet hands !

■ Keep the devices away from fire and heat sources.

■ Pair the ID codes of the transmitter and the receiver to have proper function.

2. Features

JTS IN264 wireless microphone system is designed with the world first RF remote setting function (REMOSET). A user can set the receiver with desired frequency and press the "REMOSET" Key; then the transmitter will automatically be set. The operation distance can reach 10 meters. This brings great convenience to sound engineers during live performance.

IN264 is of 36MHz bandwidth to render 23 transmitters work simultaneously. It provides great convenience to large venue.

A new capsule has been developed for IN264TH . The capsule, SAM-8W, is designed for large venue with hundreds of thousands watt power. The SAM-8W delivers vivid details of vocal and instruments.
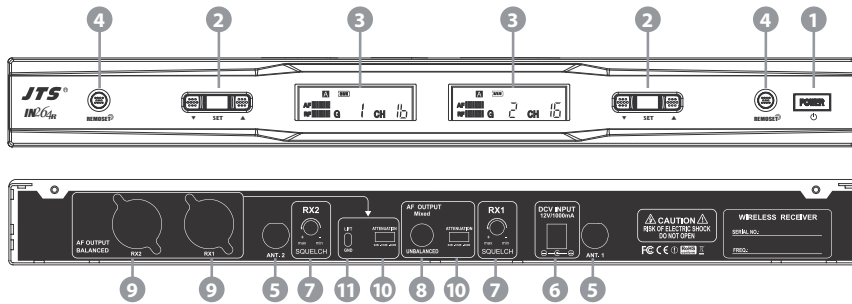
The IN264 is of stylish industry design. Yet JTS bombproof quality remains as always.

3. Parts Identification

3-1 IN264R

Front panel

1 Power Switch

2 Channel Selector: including "▲ up", "▼down" and "Set" button

3 LCD Panel

4 REMOSET Key: press it to send a desired channel data to a transmitter

Rear panel

5 BNC antenna connector

6 Power Supply Jack (12-18V/600mA): for connecting the power supply unit

7 Squelch adjuster: to adjust radio signal level of both channels

8 Mixed AF Output (6.3mm jack, unbalanced): for connection to a balanced input, e.g. of a mixer or amplifier

9 Balanced XLR Output: for connection to the balanced input, e.g. of a mixer or an amplifier

10 Output Level Attenuation(-10dB,-20dB): to attenuate the balanced XLR output level by 10dB,20dB

11 LIFT / GND

LCD Panel of the Receiver

a AF Level: display the strength of audio signal

b RF Level: display the strength of radio signal

c Antenna Status: the receiver will automatically select an antenna with stronger signal level

d Low battery indicator: display the low battery status of its transmitter

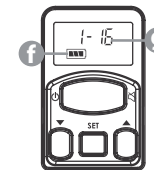e Group & Channel: there are 6 groups, maximum 23 channels in one group.
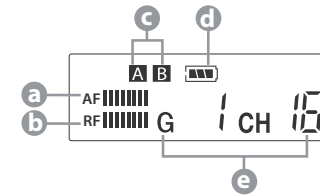
3-2 IN264TH

12 LCD Display

13 Battery Tray

14 Set button: set the configuration of handheld transmitter

15 Up button: select the settings of transmitter

16 Down button: select the settings of transmitter

17 Power and Mute Switch
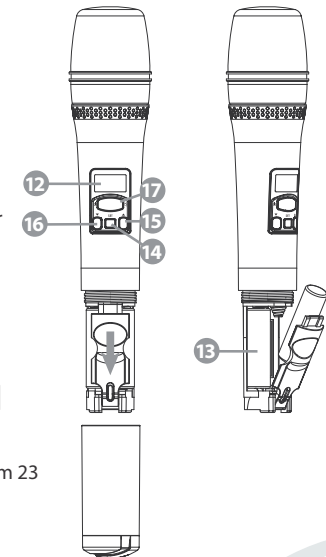
LCD Panel of the Handheld Transmitter

f Battery status: display battery status

g Group & Channel: there are 6 groups, maximum 23 channels in one group.

3-3 IN264TB

18 LCD Display

19 Battery Tray

20 Set button: set the configuration of bodypack transmitter

21 Up button: select the settings of transmitter

22 Down button: select the settings of transmitter

23 4 Pin mini XLR mic. input

24 Power Switch

25 Gain control: control sensitivity of the transmitter

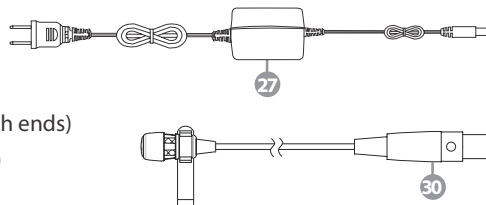**26** Pad: -20dB, -6dB, 0dB

LCD Panel of the Body-Pack Transmitter

h Battery status: display battery status

i Group & Channel: there are 6 groups, maximum 23 channels in one group.
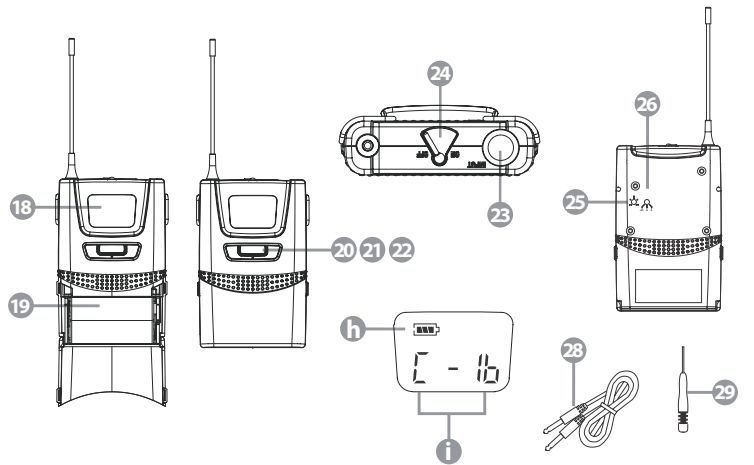
3-4 Accessories

27 AC/DC adaptor

28 AF output cable
(with Φ6.3 plug at both ends)

29 Screwdriver (IN264TB)

30 CM-501 (IN264TB)

4. Connection

4-1 Connect to the subsequent unit (e.g. mixer, or amplifier)

Connect one end of a proper AF cable to the AF Output **9** or Balanced XLR Output socket **10**, then plug another end to the "MIC IN" input socket of a mixer or a amplifier (Step 1 of Figure 1)

4-2 Connect the power supply unit

Plug in one end of AC/DC adaptor cable **27** to Power Supply Jack **7** in the rear panel of receiver, and plug another end into an AC outlet (Step 2 of Figure 1)
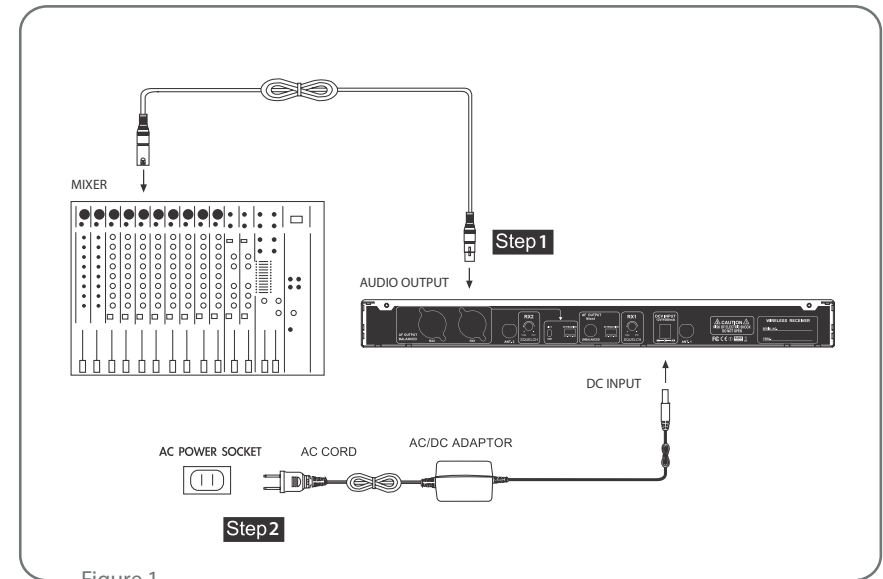

Figure 1

5. Operation

5-1 Set up the system

A) **Turn on the power of the receiver**

Switch the "Power Switch" ❷ to "ON". The "LCD Panel" ❹ and "REMOSET"

Key ❺ will light up.

B) **Turn on the power of the transmitter**

Press the "Power Switch" ⑰ ㉔ . The "LCD Display" ⑫ ⑱ will light up.

C) **Mute Function (for IN264TH)**

After the transmitter's power is on, short pressing the "Power Switch " ⑰

will mute the microphone. Press the "Power Switch" again will re-activate

the microphone.

Notice: You have to hold the "Power Switch" for 3 seconds in order to turn

off the transmitter.

D) **Install the antennas ❶ ❻ in a vertical position**

5-2 Set up ID code

In order to match one receiver channel to one transmitter, IN264 is

designed with" ID code". If and only if both ID codes of a receiver channel

and a transmitter match each other, the "REMOSET" function works. When

setting the ID code, system will automatically avoid the ID code used by

the other channel. There are 100 ID codes available.

Receiver

A) Press "Set" button ❸ for 3 seconds, LCD Panel will start flashing.

B) Press "Set" to enter "ID Code"
setting window. (Figure 2)

C) Press "▲Up" or ▼ Down" button to
select a distinct ID code from "id 0"
to "id 99".

D) After setting, press "Set" again to
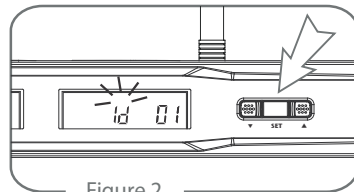save the setting.

Figure 2

Handheld and BodyPack transmitter

ID code ON/OFF setting

A) Press "Set" button ⑭ ⑳ for 3 seconds, LCD Panel will

start flashing.

B) Press "Set" a couple of times until "ID Code ON/OFF" setting window shows.

C) Press "▲Up" or "▼Down" button to select between " ID ON " and " ID OFF ".

D) After setting, press "Set" again to save the settings.

Caution

When ID code is off (idOFF), the transmitter will accept any

synchronization from any IN264R.

ID code selecting

A) Press "Set" button ⑭ ⑳ for 3 seconds, LCD Panel will start flashing.

B) Press "Set" a couple of times until "ID Code" setting window shows.

C) Press "▲Up" or "▼Down" button to select a

distinct ID code from " id 0" to "id 99 ". (Figure 3)

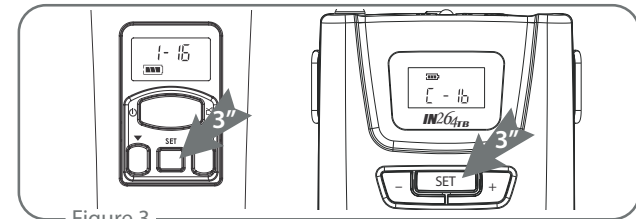D) After setting, press "Set" again to save the setting.

Figure 3

5-3 Synchronize the channel

A) Press "Set" button on the receiver for 3 Seconds, the group (G) in the "Group & Channel" ⓔ area will flash. (Figure 4)

B) Press "▲Up" or "▼Down" button to select a desired group

C) Press "Set" again and the Channel (CH) in the "Group & Channel" area will flash.

D) Press "▲Up" or "▼Down" button to select a desired channel.

E) After setting, press "Set" again to save the settings.

F) Press "REMOSET" ❹ to synchronize the channel of a transmitter. (Figure 5)

G) If the channel of the transmitter fails to change, the "REMOSET" key will keep flashing.

Notice 1: The transmitter has to be set to "synchronization on (SYnOn)" in order to allow the receiver to synchronize.(Handheld and body Pack Setting List p.12)

Notice 2 : When setting the channel, system will automatically avoid the channel used by the other channel.

Figure 4   Figure 5
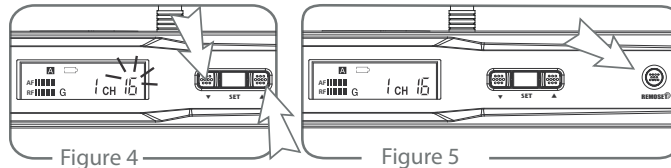
5-4 Check system status

A) **Antenna Status**: the receiver will automatically select an antenna with stronger signal reception and highlight that antenna ⓒ (Figure 6)

B) **Battery indicator**: the receiver's battery indicator will show the same gauge as the transmitters. If the transmitter is under low battery status, the receiver LCD backlight will be on amber.

Figure 6   Figure 7
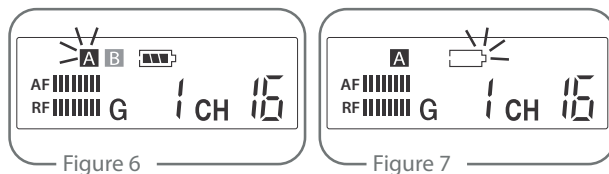
5-5 Manual select channel:

Receiver

A) Press "Set" button for 3 seconds, the group (G) in the "Group & Channel" area will flash. (Figure 8)

B) Press "▲ Up" or "▼Down" button to select a desired group.

C) Press "Set" again and the Channel (CH) in the "Group & Channel" area will flash.

Figure 8

D) Press " ▲ Up" or "▼Down" button to select a desired channel.

E) After setting, press "Set" again to save the setting.
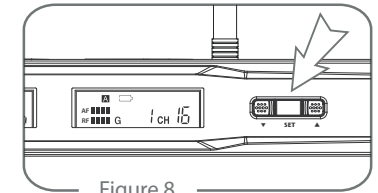
Scan Function

A) Press "Set" button for 3 seconds, the group (G) will flash.

B) Press "Set" to enter "Sn OF" or "Sn On".

C) Press " ▲Up" to select "Sn On", press "▼Down" to select "Sc OF".

D) If select "Sc On", when select channel, the receiver will jump over a channel in use automatically.

Handheld and BodyPack transmitter

A) Press "Set" button for 3 seconds, the group (G) will flash. (Figure 9)

B) Press "▲Up" or " ▼Down" button to select a desired group.

C) Press "Set" again and the Channel (CH) will flash.

D) Press "▲ Up" or "▼ Down" button to select a desired channel.

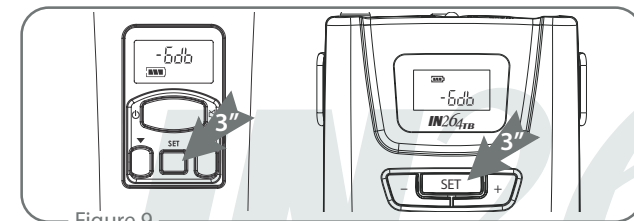E) After setting, press "Set" again to save the setting.

Figure 9

5-6 Lock ON Function

Receiver

A) Press "Set" button for 3 seconds to enter setting window

B) Press "Set" again until the Lock setting window shows. (Figure 10)

Notice: Original setting is lock off (Lo OF).

C) Press " ▲ Up" or " ▼ Down" button to select the mode between "Lock On" and "Lock off".

D) After setting, press "Set" again to save the setting.

To release the "Lock ON"

A) Press "Set" for 2 seconds.

B) Press "down" to select "Lock OFF".

C) Press "Set" to store.

Figure 10

Handheld and BodyPack transmitter

A) Press "Set" button for 3 seconds to enter setting window. (Figure 11)

B) Press "Set" again until the Lock setting window shows.

Notice: Original setting is lock off (Lo OF).

C) Press "▲ Up" or " ▼ Down" button to select the mode between "Lock On" and "Lock off".
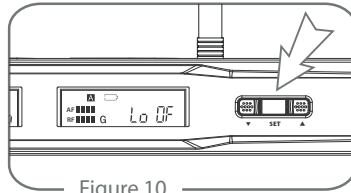
D) After setting, press "Set" again to save the setting.

To release the "Lock ON"

A) Press "Set" for 2 seconds.

B) Press "down" to select "Lock OFF".

C) Press "Set" to store.
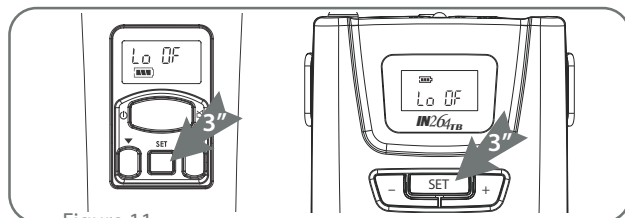
Figure 11

5-7 Adjust the sensitivity of the microphone

Handheld transmitter

A) Press "Set" button for 3 seconds to enter setting window. (Figure 12)

B) Short press "Set" until the sensitivity setting window shows.

C) Press "▲Up" or " ▼Down" button to select the sensitivity among 0db, -3db, -6db, -9db, -12db, -15db, -18db and -21db.

D) After setting, press "Set" again to save the setting.
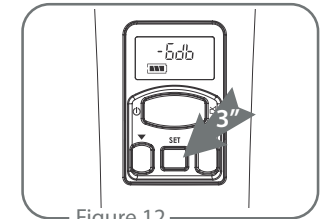
Figure 12

BodyPack transmitter

A) Use the screwdriver ㉙ included to adjust the sensitivity from gain control ㉕. (clockwise is "increase")

B) If further adjustment is needed please adjust the pad. ㉖

5-8 Adjust the transmitting power

Handheld/Body Pack Transmitter

A) Push the "Set" button several times until the "rF Lo " or "rF Hi" flashes.

B) Then push "Up" to choose "Hi" for high transmitting power and push "Down" to choose "Lo" for low transmitting power.

C) Push the "Set" again to save the setting.

REMOSET IN264

┌─────────── Handheld and Body Pack Setting List ───────────┐

	0db	
	-3db	
	-6db	
Sensitivity	-9db	0 dB is the highest sensitivity
Settings	-12db	
	-15db	
	-18db	
	-21db	
Synchronization	SYnOn	"On" means "REMOSET" function always opens;
ON/OFF	SYnOFF	"OFF" means "REMOSET" function is turned off
ID code ON/OFF	idOFF	When ID code is OFF (id OFF), the transmitter will accept any synchronization from any IN264R.
	idon	
ID code select	id 0 ~ id 99	There are 100 ID codes.
Lock ON	LocOFF	button unlock
	LocOn	button lock

└──┘

6. Specification

6-1 IN264R

Frequency Preparation....	PLL Synthesized Control
Remoset...........................	Radio Frequency : 2.4GHz
	Effective distance: 10m
Carrier Frequency Range	502~960 MHz
S/N Ratio...........................	>105dB
T.H.D................................	<0.6%@1KHz
Display..............................	LCD
Display Contents..............	Channel, Antenna A/B, Mute Display, RF/AF Level Meter,
	Low battery, ID Number
Controls............................	Power On/Off, Frequency Up/Down, Lock-on, ID Pairing, Remoset
Audio Output Level..........	-12dB
AF Output Impedance......	600Ω
Squelch.............................	Pilot Tone & Noise Mute
Operation Voltage.............	12-18 VDC, 600 mA
Output Connector.............	2 XLR Balanced Socket / 1 Ø6.3mm unbalanced phone jack
Dimension(m/m)...............	420mm(W) * 44mm(H) * 211mm(D)

6-2 IN264TH

Frequency Preparation.........	PLL Synthesized Control
Carrier Frequency Range.....	502~960 MHz
RF Outputs............................	10mW
Stability................................	±10KHz
Frequency Deviation.............	±48KHz
LCD Display...........................	Channel, Battery Fuel Gauge,
	ID Number
Controls................................	Power On/Off, AF Level, Frequency
	Up/Down, Lock-on Mode, ID Pairing
Spurious Emissions.............	<-50 dBC
Audio Frequency Response	50~16,000 Hz
Battery...................................	UM3, AA 1.5V*2

6-3 IN264TB

Frequency Preparation........	PLL Synthesized Control
Carrier Frequency Range....	502~960 MHz
RF Outputs...........................	10mW
Stability................................	±10KHz
Frequency Deviation............	±48KHz
LCD Display..........................	Channel, Battery Fuel Gauge, ID Number
Controls...............................	Power On/Off, AF Level,
	Frequency Up/Down, PAD, Gain Control
	Lock-on Mode, ID Pairing
Output connector.................	4P mini XLR
Spurious Emissions.............	<-50 dBC
Audio Frequency Response	40~18,000 Hz
Battery...................................	UM3, AA 1.5V*2