NAYA

Wireless Intercom System

FDI-BS340
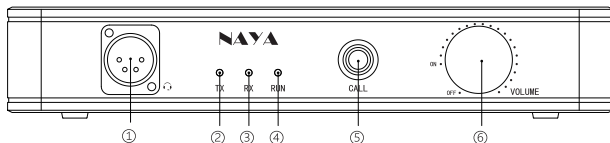
Users' Manual

Content

Chapter 1 Interface

1.1 Front panel

No.	Item	Description
①	🎧 Headset interface	External cannon-type headset
②	TX indicator	Flicker when transferring signal
③	RX indicator	Flicker when receiving signal
④	RUN indicator	Light on when the device turned on
⑤	CALL button	Click the button to turn on the button light. Now you could speak by headset microphone from the base station. Press the button again to turn off the mic, you could hear but not speak.
⑥	Power / Volume	Power on / off the device and adjust the volume.

1.2 Back panel
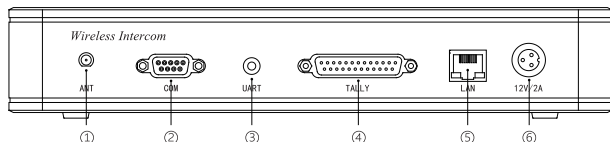
No.	Item	Description
①	Antenna interface	External pipe style antenna
②	COM port	DB9 connector. Able to be connected with computer by configuration cable.
③	UART port	UART TALLY input.
④	TALLY interface	DB25 male interface for GPI tally input.
⑤	LAN interface	Connected with the certain type of switcher.
⑥	Power interface	12V / 2A power input

Chapter 2 Basic operation

2.1 Power on/off

Screw the Power / Volume knob clockwise until you hear channel prompt and "RUN"indicator flash, the device is turned on. Screw counterclockwise to power off.

2.2 Volume

Screw the Power / Volume knob clockwise continuously to enlarge the volume and counterclockwise to lower.

2.3 Calling method

Click the Call button to light the indicator. Now the headset microphone is turned on, the base station could transfer and receive signal.

Click again to turn off the indicator. Now the headset microphone is turned off, the base station could only receive signal.

2.4 Channel settings

The base station includes many channels, Press the Call button and hold on for about 3 seconds to enter the channel setting as per the headphone prompt. Then click the call button to change channel circularly. The set will be valid after about 4 seconds with the headphone prompt.
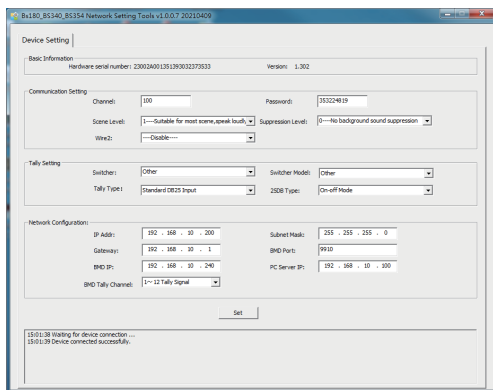
2.5 Tally functions

The device support Tally function.

Connect to switcher: switcher brand or model can be changed with the help of computer, after the configuration you can use the situatible cabel to connect switcher.

(Please buy the situatible cable from Naya factory)

Chapter 3 Configuration software

◆ Connect the base station to computer with web line, when opened configuration software automatically conneced, you will see "successful connection" on the display box.

◆ The configuration software can be used for parameter setting, like channel, communication password, background sound level, noise suppression, switcher brand and network parameters, etc.

3.1 Tally functions

When using the Tally function, correct brand and model of the switcher setting should be for the base station. If the switcher brand and model setting on the software are different from the actual switcher, the Tally signal may be abnormal. So you need to change the brand and model of the switcher with the configuration software.

3.2 Network configuration

Network parameters configuration is necessary for BMD or vMix switcher. If you use other switchers, may network parameters be not changed.

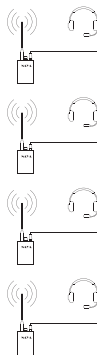# Chapter 4 Using diagram

Tally Channel 10

Beltpacks Channel 10

Base station Channel 10

Switcher
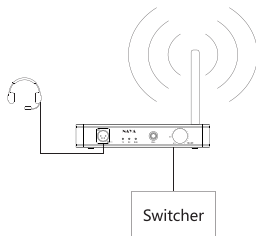
Chapter 5 Interface definition

5.1 Headset interface

Headset interface is XLR male connector.

① MIC+ ——— ③ Speaker-
② MIC- ——— ② Speaker-+
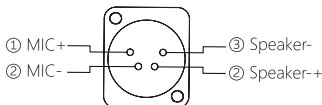
5.2 Tally interface

Tally interface is DB25 male interface, which support 12-way red/12-way green Tally.

6
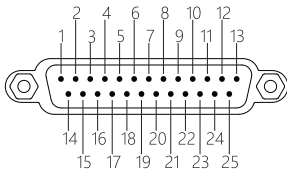
No.	Describtion	No.	Describtion
1	Red Tally 1	14	Green Tally 1
2	Red Tally 2	15	Green Tally 2
3	Red Tally 3	16	Green Tally 3
4	Red Tally 4	17	Green Tally 4
5	Red Tally 5	18	Green Tally 5
6	Red Tally 6	19	Green Tally 6
7	Red Tally 7	20	Green Tally 7
8	Red Tally 8	21	Green Tally 8
9	Red Tally 9	22	Green Tally 9
10	Red Tally 10	23	Green Tally 10
11	Red Tally 11	24	Green Tally 11
12	Red Tally 12	25	Green Tally 12
13	GND		

5.3 UART interface

The UART interface is 3.5MM socket, which is generally used to receive the TALLY signal of the UART.

UART

TX   RX   GND
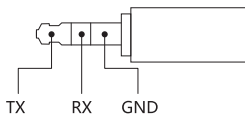
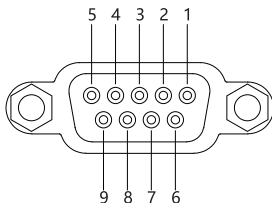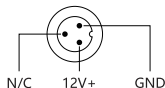### 5.4 RS232 interface

RS232 interface is DB9 female socket, which is generally used to receive the TALLY signal of the RS232.

5   4   3   2   1

9   8   7   6

No.	Describtion	No.	Describtion
1		6	
2	RXD	7	–
3	TXD	8	–
4	–	9	
5	GND		

5.5 12V Power

Used for device power supply interface, connected to 12V power adapter.

N/C   12V+   GND

Chapter 6 Recommended products

No.	Item	Description
1	Cannon headphone with one ear	Headphone with one ear for noise reduction
2	Cannon headphone with two ears	Headphone with two ears for noise reduction
3	Tally cable	Tally cable according to switcher brand and model
4	UART cable	UART cable according to switcher brand and model
5	Attenuator	If there is some switcher/camera/SDI cable/HDMI cable/ mixer is interfered by base station, attenuator can be used on antenna, and in this case transmit distance will be shorter.

Chapter 7 Maintenance and Cleaning

In order to ensure that the equipment can play its good performance and extend its service life, please familiarize yourself with the following contents for better daily maintenance and cleaning.

7.1 Maintenance

◆ Do not use hard material to puncture or scrape equipment

◆ Do not store equipment in an environment containing corrosive electronic circuits.

◆ Do not break the antenna

7.2 Cleaning

◆ Please clean the equipment regularly, use clean dry towel or brush to wipe the dust on the equipment surface.

◆ If the equipment is dirty, clean with neutral detergent and non-woven fabric, do not use detergent, alcohol, spray and other chemical agents to avoid the damage of the equipment.

◆ Be sure to make sure that the equipment is dry thoroughly. Otherwise, do not use it.

Chapter 8 Quality Commitment and Maintenance Terms

8.1 Commitment

The company promises that, from the day of purchase, the equipment produced by our company may have defects in the material or production process under the normal operation and maintenance conditions from the date of purchase, and may enjoy the following warranty service.

8.2 Warranty Scope and Duration

◆ 12 months for the base station and belt-pack

◆ 6 months for other accessories

◆ If you apply for product repair, please be sure to provide the company's product warranty card or valid purchase invoice as a certificate. During the warranty period, the relevant mark of the product should be kept clean and intact.

Chapter 9 Warranty Card

◆ In order to safeguard your rights and interests, please fill in carefully and keep it properly as a voucher for maintenance.

Dealer's information			
Product model		Date of sale	
Dealer's name		Contact number	
User's information			
User's name		Contact number	
Address		E-mail	

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Please read the manual carefully before operation.