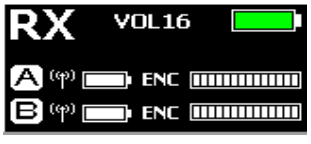
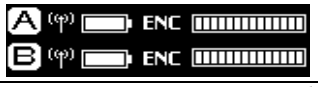
# **SD001** Collar clip wheat (RX)

## Ⅰ.M10 pin clip wheat basic parameters

| **Product features** | |
|---|---|
| Product model | **SD001** |
| Paired specifications | One drag two |
| Motherboard dimensions | 41.5MM 35.8MM*1.0MM |
| Transmission distance | The straight-line distance face-to-face is about 50M |
| Keystroke | Tap |
| Frequency range | 2.402Ghz～2.480Ghz |
| Operating voltage | 3.3V～4.2V |
| Charging voltage | 5V |
| Low power-off voltage | ＜3.2V |
| Charge current | 300mA |
| Charging time | Approx. 1.5H |
| Operating current | 54mA～58mA |
| Standby current | 54mA (teamed) 58mA (uncoordinated) |
| Shutdown current | 7uA |
| Battery capacity | 300mAh |
| Software version validity code | |
| Hardware version number | SST541M_RX_V02 |

# Ⅱ.The function operation and UI description

| UI function operation instructions | | | | |
|---|---|---|---|---|
| Project | Function description | The current state | Mode of operation | Status display |
| 1 | Boot | When the system is shut down | Press and hold the top switch key for 2 seconds | |
| 2 | Shutdown | When the system is powered on | Press and hold the top switch key for 2 seconds | |
| 3 | Volume up/down | When the system is powered on | Click the volume plus or minus key on the left | |
| 4 | Connect your phone | Queued | Use the TYPE-C cable or customized Apple lightning cable to plug in the RX charging port to connect with the phone USB port. | \ |
| 5 | Connect a digital camera | Queued | Audio recording can be made using a 3.5mm 3-segment AUX cable to interface with the AUX input of the digital camera | \ |
| 6 | Call monitoring | Queued | Plug in the 3.5mm headphone holder with a normal headset to monitor the real-time call content of the TX terminal. | \ |
| 8 | Team up in one-to-one mode | When the system is powered on | After the prototype is started, it will automatically search and connect, and after successful pairing, the RX terminal will display the real-time status of the connected prototype's power and volume data | |
| 9 | Team up in one-to-two mode | When the system is powered on | After the prototype is started, it will automatically search and connect, and after successful pairing, the RX terminal will display the real-time status of the corresponding connected prototype's power and volume data |   |
| 10 | Automatic shutdown | When the system is powered on without connectivity | After the prototype is turned on, it will automatically search for and connect the device, and will automatically shut down after more than 4 minutes of not being able to connect to the device | All icons are off |
| The UI displays a description | | | | |

| | | | | |
|---|---|---|---|---|
| 1 | Noise reduction is on | Queued | / | |
| 2 | Noise reduction off | Queued | / | |
| 3 | Mute | Queued | / | |
| 4 | Prototype No. 1 is connected | Queued | / | |
| 5 | Prototype No. 2 is connected | Queued | / |  |
| 6 | The RX does not have a device connected | When the system is powered on | / | |
| 9 | Charging status display | When the system is shut down | / | |

## Ⅲ.The specification size drawing

Motherboard frame size: 41.5MM 35.8MM*1.0MM ±0.1MM error

## IV. Precautions:

1.Once the sample is confirmed, the production and burning will be subject to your company's sample confirmation procedure.

2. After your company confirms the sample, our company burns according to the confirmation sample program software, and in the actual production, the loss caused by non-PCBA's own quality reasons, our company does not bear all the losses caused by functional problems caused by the sample confirmation version.

3. Please confirm in time when your company receives samples or program documents, if the confirmation is correct, the confirmation is returned to Dongguan Sandi Communication Technology Co., Ltd. (contact: Zheng Renlong 13712127350) If the customer does not return the main order before placing the main order, it will be regarded as the customer's default sample, and the sample will prevail during production.

# SD001 Lavalier (TX)

## Ⅰ. M10 collar clip wheat basic parameters

| Product features | |
|---|---|
| Product model | **SD001** |
| Paired specifications | Regular pairing |
| Motherboard dimensions | 41.5MM 35MM*1.0MM |
| Transmission distance | The straight-line distance face-to-face is about 50M |
| Keystroke | Tap |
| Frequency range | 2.402Ghz～2.480Ghz |
| Operating voltage | 3.3V～4.2V |
| Charging voltage | 5V |
| Low power-off voltage | ＜3.2V |
| Charge current | 300mA |
| Charging time | Approx. 1H |
| Operating current | 28mA～50mA |
| Standby current | 30mA (unpaired) 50mA (teamed) |
| Shutdown current | 7uA |
| Battery capacity | 300mAh |
| Software version validity code | |
| Hardware version number | SST541M_TX_V02 |

## Ⅱ. the function operation and UI description

| UI function operation instructions | | | | |
|---|---|---|---|---|
| Project | Function description | The current state | Mode of operation | Status display |
| 1 | Boot | When the system is shut down | Press and hold the left switch key for 2 seconds | |
| 2 | Shutdown | When the system is powered on | Press and hold the left switch key for 2 seconds | |
| 3 | Paired connections | When the system is powered on | The prototype will be automatically searched and connected after booting (the picture on the right is displayed when the one-drag-and-one mode is displayed, and the corresponding machine number is displayed when the one-drag-and-two mode is displayed) | |
| 4 | Noise reduction on/off | Powered on/queued | Double-click the switch key to turn on/off the noise reduction function | Noise reduction is turned on Noise reduction off |
| 5 | Gain plus or minus | Powered on/queued | Click the volume plus or minus key on the left | |
| 6 | Mute/turn off mute | Powered on/queued | Click the left switch key to mute the on/off | |
| 7 | Clear the pairing information | Powered on/queued | 5-click the switch key to clear the current pairing information with RX | After clearing the pairing information, you can connect with any RX team, and the status icon does not change when you press the key to clear the pairing information |
| 8 | Charge | | | |
| 9 | Automatic shutdown | Booted up without teaming | After the prototype is turned on, the device will be automatically searched and connected, and the device will be automatically shut down after more than 4 minutes of inability to connect | All icons are off |

## Ⅲ.the specification size drawing

Motherboard board frame size: 41.5MM 35MM*1.0MM ±0.1MM error

## IV. Precautions:

1.Once the sample is confirmed, the production and burning will be subject to your company's sample confirmation procedure.

2. After your company confirms the sample, our company burns according to the confirmation sample program software, and in the actual production, the loss caused by non-PCBA's own quality reasons, our company does not bear all the losses caused by functional problems caused by the sample confirmation version.

3. Please confirm in time when your company receives samples or program documents, if the confirmation is correct, the confirmation is returned to Dongguan Sandi Communication Technology Co., Ltd. (contact: Zheng Renlong 13712127350) If the customer does not return the main order before placing the main order, it will be regarded as the customer's default sample, and the sample will prevail during production.

**FCC Caution：**

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.