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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.

\* IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

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



**SungJin Techwin Co., Ltd.**



Made in Korea

● *User Manual*



**Bluetooth®**

**Install Handsfree Car Kit**

**MODEL : SJ401A**



**SJ TECH**

## **Bluetooth®** Install Handsfree Car Kit

**MODEL : SJ401A**

### **User Manual**

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#### **Specification**

- Input power : 10~16VDC
- Fuse : 250V/2A
- Indicator : 2 LED
- Speaker : 5W
- Noise Cancellation : 18dB
- Echo Cancellation : 42dB
- Operating temperature range : -30°C ~+80°C
- Full duplex operation with noise cancellation
- **Bluetooth** technology specification v1.2 compliant
- Application Profile : Handsfree Profile, Headset Profile
- Compatibility : This unit is compatible with most **Bluetooth** technology equipped mobile phones including Motorola, Sony Ericsson, Nokia, Samsung and LG, Etc.

Once you set up your **SJ401A** unit, you will be able to answer, end, reject, redial, place calls or adjust your speaker volume by the simple push of a button, wherever your phone is in your car.

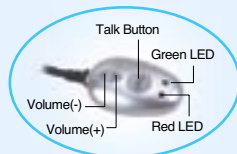
The **SJ401A** supports voice dialing and allows you to dial your contacts without touching your phone, to allow you to safely concentrate on driving your car.

**Be safe, be free and express yourself through SJ401A Bluetooth Handsfree kit !**

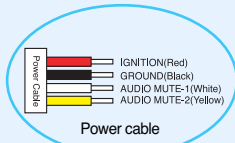
## Connection Diagram



(Figure 1)



(Figure 2)



(Figure 3)

## Feature

- Noise Cancellation System
- Superior Sound Quality
- Full Duplex System
- Simple Operation
- Easy Set Up

## User Guide

### ► Remote controller function (Figure 2)

<b>BUTTONS</b>	Talk button	: Used for accept, end, reject, redial functions
	Volume (+) button	: For increasing the speaker volume
	Volume (-) button	: For decreasing the speaker volume
<b>LED</b>	Red light	: For indication of the Handsfree device operation
	Green light	: For indication of <b>Bluetooth</b> link status
		Green flashing light during pairing

### ► Installation guide

1. Insert the **microphone jack** into the control box per Figure 1.
2. Place the **microphone** in the visor as in Figure 4. Hide the microphone cable through A Pillar.

*Note: Make sure microphone and cable do not interfere with safety of the vehicle operation. It is highly recommended to place front of the microphone directly facing the operator for the best result.*

3. Connect the **Speaker cable jack** into the main control box. Place the speaker in the desirable place in the front passenger compartment. Strongly recommend placing the speaker under the passenger side dashboard.

*Note : Professional installer should permanently mount the speaker to the safe area with the screws.*

4. Connect the **Remote controller jack** into the main control box. Secure the Remote controller near by the driver side or center console with the Velcro pads where user can easily reach the remote controller without compromising safety while operating the vehicle.

5. Place the **Main control box** under the desh.

*Note : Professional installer should secure the Main control box to under desh by installing wire tie.*

6. Connect the **Power cable** into the car power source and connect the radio mute cable.

Professional installation of the power & mute cables

- 1) Disconnect the power cable from the car battery. 2) Connect the ground wire to the car ground. 3) Connect the power wire to the ignition. 4) Connect the audio mute-1 wire to the audio head unit. 5) Connect the power cable from the car battery. 6) Turn the ignition ON and confirm that the power of the SJ401A is on (Green LED-on). 7) Turn on the audio and check if you can hear the radio.

- a) If so, you are successfully installed the SJ401 unit into the car.  
b) If there is no sound, disconnect the power cable from the car battery and then change the audio mute-1 wire to the audio mute-2 wire and the audio mute-2 wire connect the audio head unit.

*Note : The car audio manufacturers use either the high or low audio mute level. Therefore, it is necessary to check the audio mute level. The audio will automatically mute upon receipt or during the phone conversation and then return to the previous volume level after completion of the phone conversation.*

*If you have the cigar cable you can alternate use the power cable or the cigar cable for power connection.*

### Pairing your mobile phone with the SJ401A

Follow the pairing instruction for the first use, after that the unit will pair automatically.

#### ► Pairing as the Handsfree mode

When power is on (confirmed by blue LED light), press the VOL+ button for 5 seconds on the Remote controller. You will hear a beep tone. The Handsfree device is ready to be paired with the mobile phone.

#### ► Mobile phone manual pairing

1. Browse the mobile phone menu and find connectivity and/or **Bluetooth** connection section.
2. Select the search for a new Handsfree device and allow the mobile phone to find the **SJ401A**.

*Note: Each mobile phone has a different phone menu so you may need to refer to your manufacturers instruction to find how to connect a new Bluetooth device.*

3. The **Bluetooth** code for the **SJ401** should appear on your mobile phone screen.
4. Press the connect button with the Handsfree option on your mobile phone.

*Note: Please return to the pairing instructions if the Bluetooth code does not appear on the mobile phone screen. The green LED light should flash during pairing.*

5. The mobile phone should prompt for the pin code, insert the SJ401A pin code 1234 by using the mobile phone pin code.
6. The mobile phone should confirm that it is establishing new connection.
7. Close the menu. The pairing is now completed.

*Note: The green LED light illuminated after successful pairing. Please adjust the volume to your preference by using the volume keys.*

**The SJ401A Bluetooth device pin code is : 1234**

### Using the SJ401A as the Handsfree device

#### ► When the Handsfree is ringing,

- |                          |                          |
|--------------------------|--------------------------|
| <b>To accept call</b>    | Press TALK button        |
| <b>To reject call</b>    | Double click TALK button |
| <b>To end call</b>       | Press TALK button        |
| <b>To control Volume</b> | Press VOL+/VOL-          |

► **Call transfer,**

The Call transfer function is for switching the call from handsfree to the mobile phone for the private conversation without disconnecting the call.

**Switching from Handsfree to mobile phone :**

Press and hold TALK button(3 seconds)

**Switching back to Handsfree :**

Press and hold TALK button(3 seconds)

► **When the Handsfree is idle,**

**Voice dial :** Press and hold TALK button(3 seconds) /  
Announce name after a beep.

*Note: This function works if phone has the voice dialing capability*

**Last number redial :** Double click on TALK button

*Note: This function works if phone has the last number dialing feature.*

## Using the SJ401A as the Headset device

► **Pairing as the Headset mode**

1. When the power is on, press the VOL+ button for 5 seconds.
2. The beep tone should be heard.
3. After hearing the beep tone, repeat the procedure by pressing the VOL+ button for another 5 seconds.
4. The second beep tone should be heard indicating the SJ401A Handsfree unit is ready to be paired with your mobile phone.

► **Functions are as same as the Handsfree mode**

*Note: Your phone must contain the special features such as voice dialing, last number dial, etc to be used in the SJ401A.*

※ It is possible the SJ401A buttons might not operated according to the Handsfree operation manual if your **Bluetooth** phone has an unusual **Bluetooth** program.

## Installation Microphone



(Figure 4)

The user can change position of the mike dependin on the vehicle type for the best sound quality. It is also highly recommended for user to place correct side of the mike directly facing the user(side with more holes). The user can place the mike either front or back of the visor by detaching, rotating and reattaching mike holder to correct side of the mike.

## Troubleshooting

► **No indication from unit?**

Check the power cables. Make sure power cables are attached on both sides.

► **Experiencing problem during pairing?**

Repeat pairing according to the pairing section

► **Still experiencing problem?**

Please turn off the mobile phone and separate the battery from the mobile phone for about five seconds and then repeat pairing following the pairing instruction.

*\* Sometimes, there could be a bug in the mobile phone that requires to be eliminated before pairing.*

- ▶ **Each mobile phone has a different function button so it could be different operated with your mobile phone according to mobile phones of various kinds.**

- ▶ **Too loud?**

Please adjust the volume to your preferred sound level by pressing the volume switches.

- ▶ **People are complaining about hearing noise?**

Please check if the mike is secured in place not creating vibration and noise.

Also check and adjust front of the mike facing toward to the user's face.

## Safety precautions

- ▶ Do not expose this unit under humid environment.
- ▶ Do not drop this unit.
- ▶ Do not disassemble this unit.
- ▶ Do not press two buttons at once. This action might cause sudden **Bluetooth** disconnection.
- ▶ Do not clean the unit with any chemical or water.
- ▶ Keep this unit away from fire and dust.
- ▶ Please secure the install type control box and the speaker in the safe place by screws or wire tie.
- ▶ For safety reasons, please keep your phone conversation short, do not make any notes or read documents. It is highly recommended to park the vehicle in the safe place before continuing the conversation. Using mobile phone while driving creates a distraction to the drive which may increase the likelihood of an accident.

## Warranty

SungJin Techwin Co., Ltd. warrants to purchaser that for a period of one (1) year after the date of purchase (the "Warranty Period") of any SungJin Techwin Co., Ltd. Product by Purchaser, the product will substantially conform to SungJin Techwin Co., Ltd. published specifications for the product on the date of purchaser's purchase of the product, subject to the terms herein. Purchaser shall notify SungJin Techwin Co., Ltd. of any nonconformance during the warranty period and obtain a written return material authorization ("RMA") from SungJin Techwin Co., Ltd. for the non-conforming product and return the nonconforming product to SungJin Techwin Co., Ltd. freight prepaid with a statement describing the nonconformity. SungJin Techwin Co., Ltd. exclusive obligation with respect to nonconforming product shall be, at SungJin Techwin Co., Ltd.'s option and expense, to repair or replace such returned item. The foregoing is purchaser's sole and exclusive remedy for breach of warranty by SungJin Techwin Co., Ltd.'s with respect to the product. The warranty set forth above shall not apply to any product which has not been properly used or handled in accordance with the instructions supplied by SungJin Techwin Co., Ltd. In addition, SungJin Techwin Co., Ltd.'s warranty is void if the product has been repaired, altered, damaged by the faulty installation, misuse, abuse, or which the product defect is attributable to any failure or damage which is beyond the reasonable control of SungJin Techwin Co., Ltd. This warranty applies only to new SungJin Techwin Co., Ltd. products purchased from authorized retail sellers only. The foregoing warranties are the sole warranties, express or implied, given by SungJin Techwin Co., Ltd. in connection with the product, and SungJin Techwin Co., Ltd. disclaims all other warranties, including warranties of merchantability, fitness for a particular purpose and no infringement of third party rights. SungJin Techwin Co., Ltd. shall not be liable for any special, incidental or consequential damages in connection with the product, even if SungJin Techwin Co., Ltd. has been advised of the possibility of such damages. The liability of SungJin Techwin Co., Ltd. hereunder for all claims shall not exceed the amount paid by purchaser to SungJin Techwin Co., Ltd. for the product giving rise to SungJin Techwin Co., Ltd.'s liability.