

# **iRV Touchscreen Controller**

## **iRVCT7**

### **User Manual**

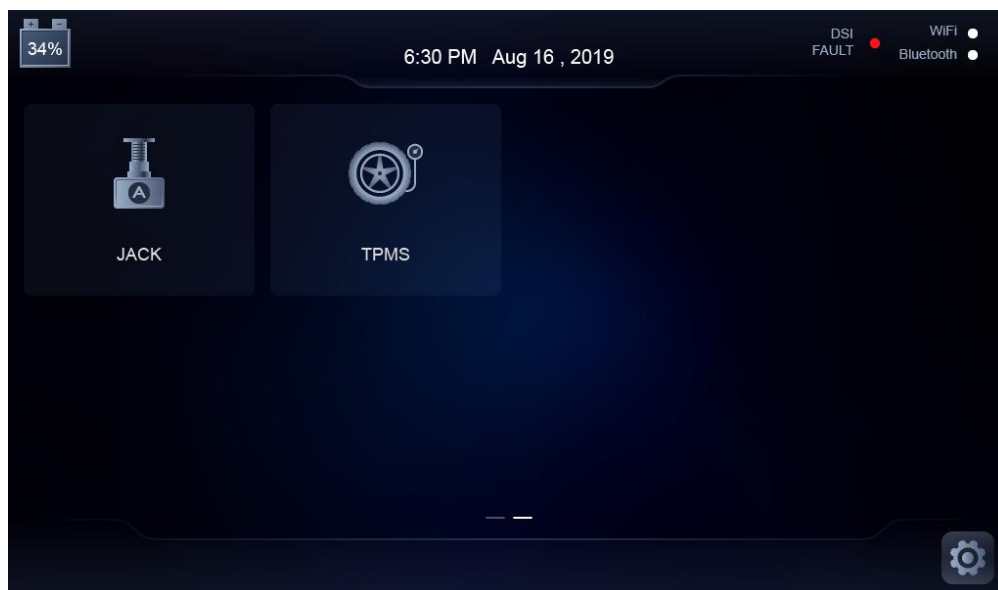


# 1. Operation Guide

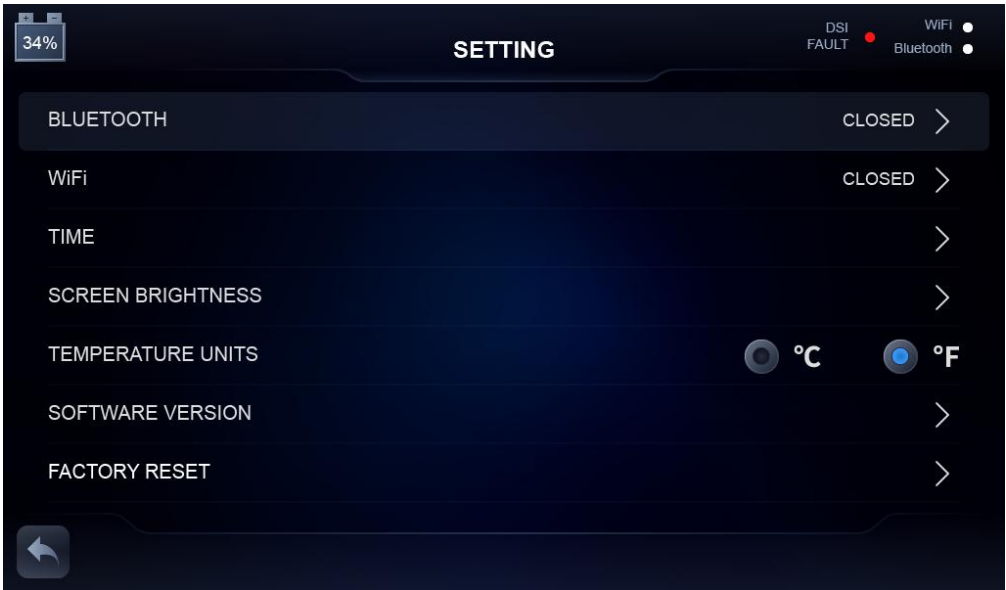
## Power On/Off

The control panel will be automatically on when connected to electricity and off when disconnected to electricity.

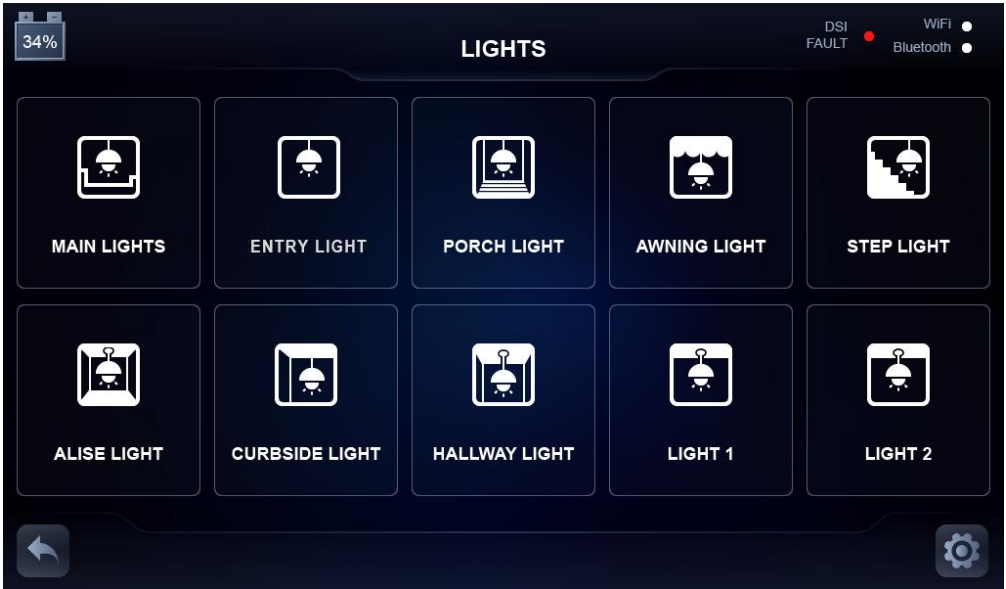
## Home



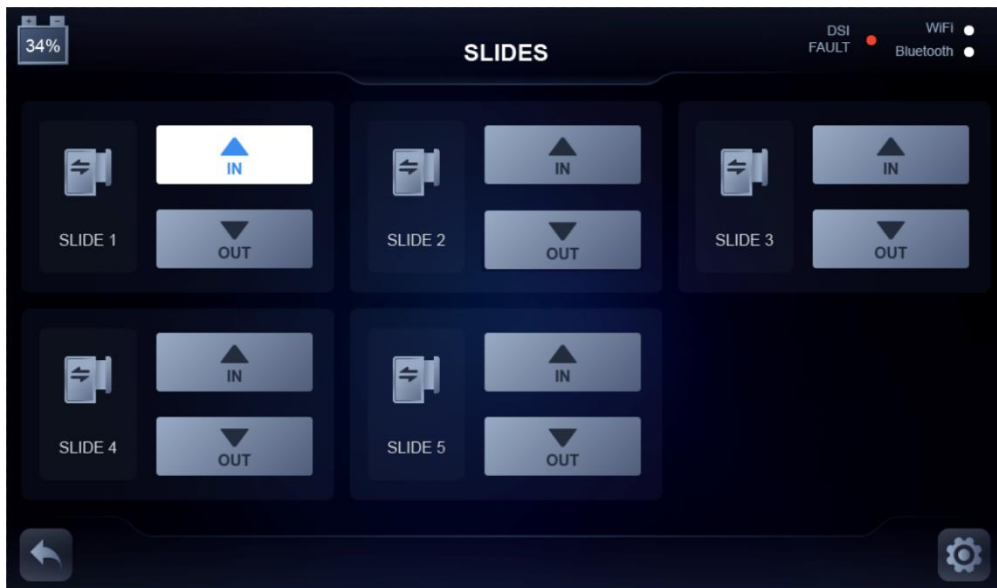
## Set Up Screen



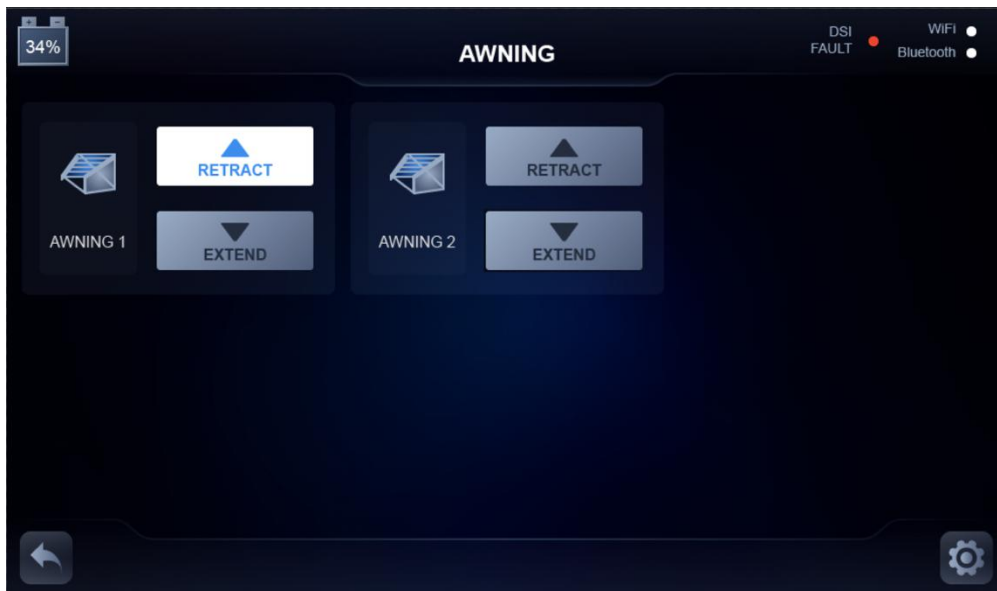
## Lights Control



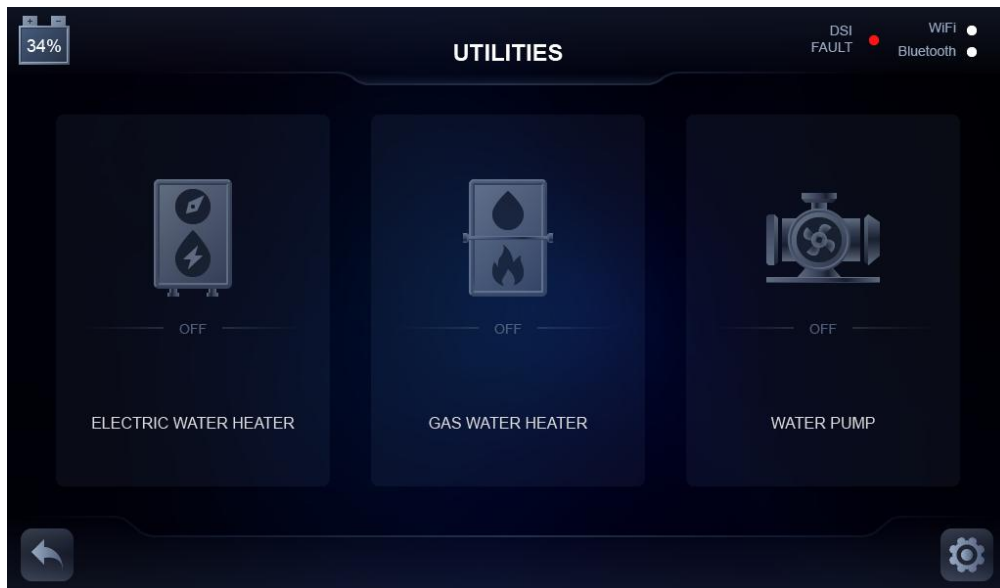
## Slides Control



## Awnings Control



## Utilities Control



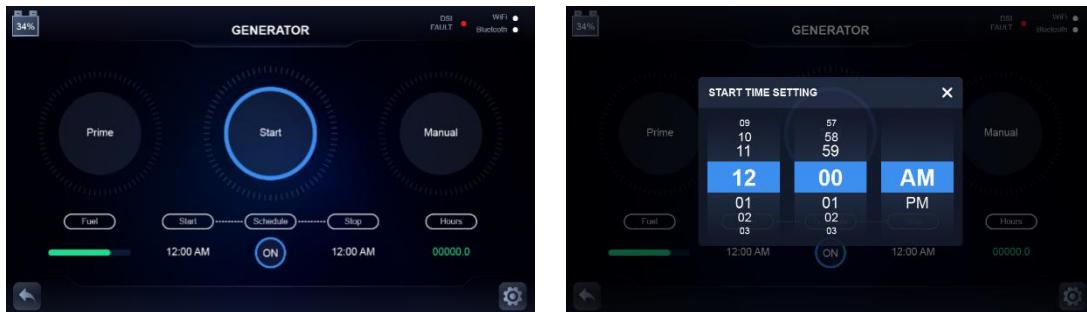
## HVAC (Option) Control



## Monitor Water Level



## Generator (Option)



## 2. Smartphone Control

### 2.1 Phone App

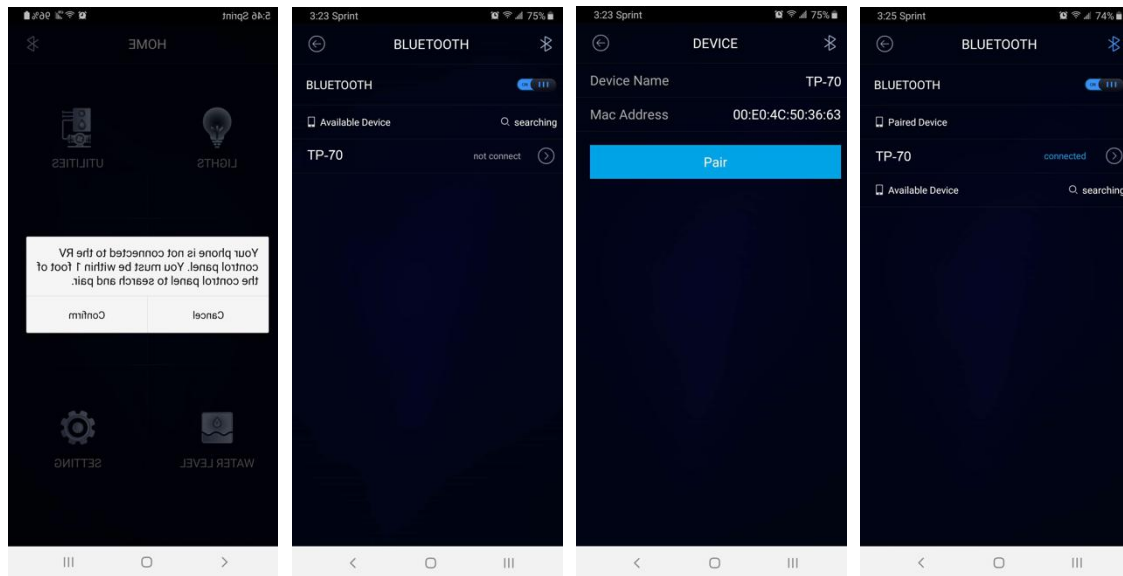
An iPhone or Android phone can connect to iRVCT7 by Bluetooth and operate all the control functions. You simply go to Google Play store or Apple store to search and install “iRV control” app.

Notes: iPhones must be iPhone 6 or later model. Android phones must Android 6 or later OS.

## 2.2 Pairing Phones

This device uses smart pairing technology and no password is needed. However, you must use the iRV control app to search and pair. Also, the phone must be within 1 foot of the device during the pairing period. After pairing, you can operate all functions up to 50ft from the control panel. No pairing is needed afterward.

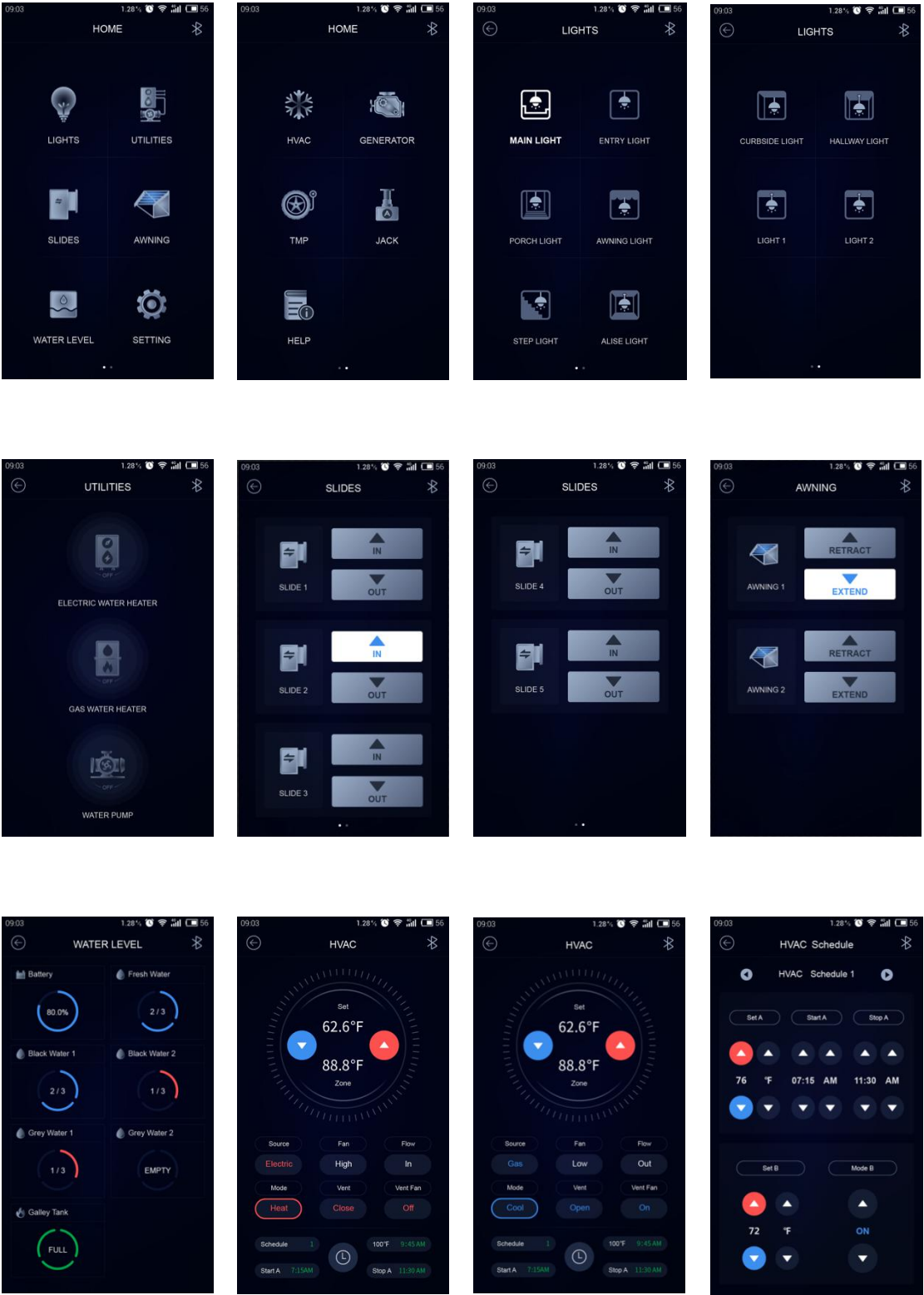
The pairing is easy. After you open iRV Control App, you simply follow the on-screen messages.



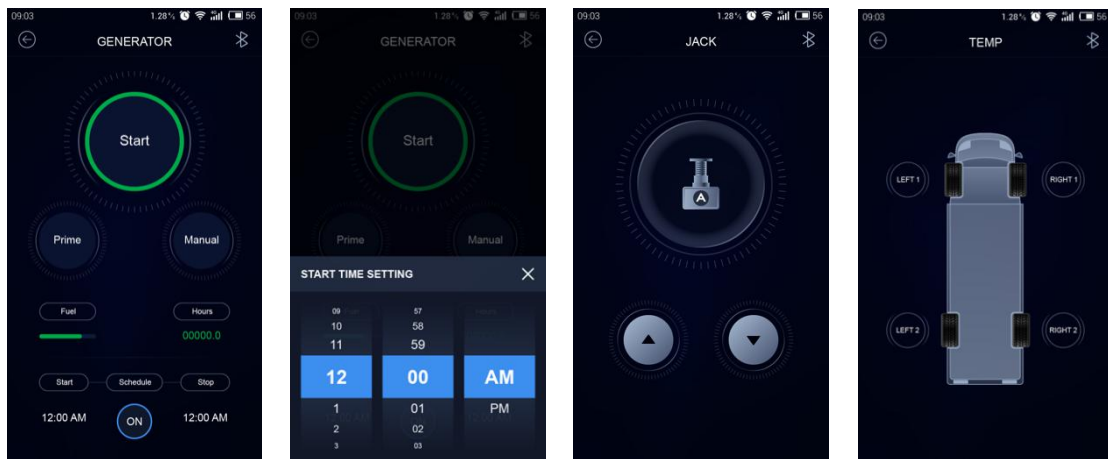
Notes:

1. **If your search in app cannot find controller (Bluetooth device name TP-70), it will be the following:**
  - The phone is not within 1FT of controller.
  - iRVCT7 is connected to another phone. This phone must be disconnected (turn off or far away from RV) in order for your phone to pair.
2. Only one phone can be connected at a time.
3. If your phone has not connected to iRVCT7 for 7 days, you must do pairing again. This is a safety design.
4. iRVCT7 cannot be detected or paired by normal phone Bluetooth search.

2.3 User interface of different functions







### 3. Voice Control Operation

The voice can do only on/off function of utilities such as lights, heaters and pumps. For safety, it cannot operate slides, awning, jack, or other features.



iRVCT7 Light Control



iRVCT7 Utilities Control

After voice wake up, you must speak “Turn on” + the exact words on utility/light button (see above photo) to operate. You must say the exact words and cannot change order. For example, if you say “Turn” + “Entry Light” + “on”, the controller will ignore your voice command.

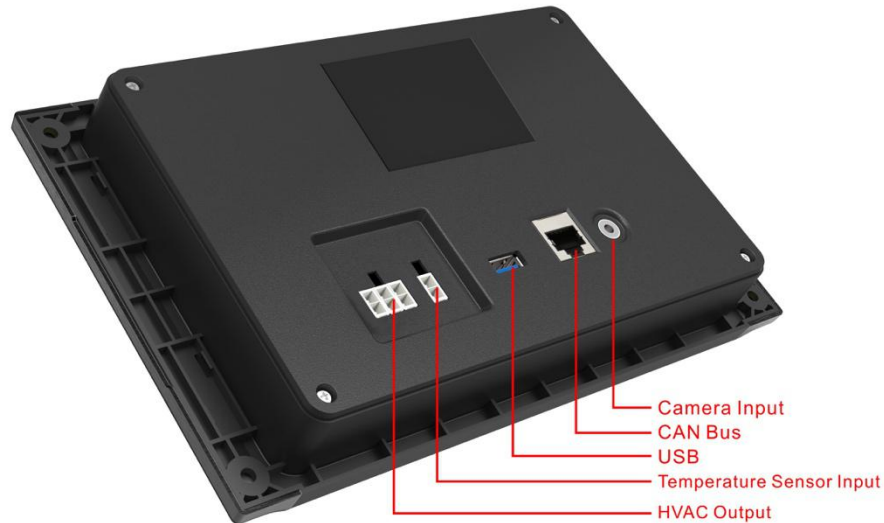
### 3.1 One voice command a time

After waking up, you can speak and execute only one command. You must speak “Hello RV” again and do the next function.

### 3.2 Time out of voice control

After the controller replies “Hello”, you have 10 seconds to speak a complete voice command. Otherwise it will be time out and not accept any voice command. You must wake up the voice module again.

## 4. IO Ports



## 5. Specifications

Maximum Operating Voltage	14.4V
Minimum Operating Voltage	10.5V
Operating Temperature	-20~60°C
Chassis Outline Dimension	9.09(W)*5.63(H)*1.26(D)

## 6. Packing List

- (1) iRVCT7 Touchscreen Controller
- (2) Installation Screws
- (3) User Manual

## 7. Installation



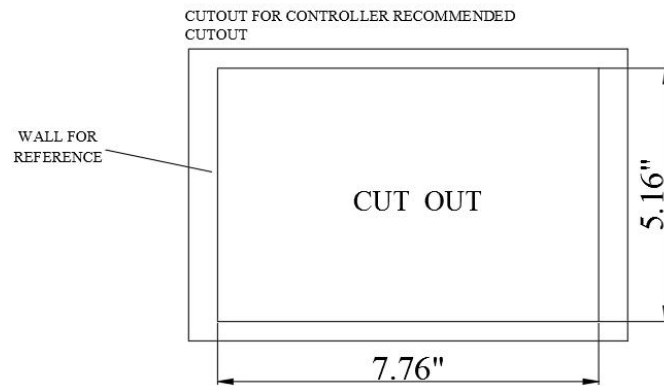
The installation of iRVCT7 only can be started after the installation of iRVBB1 relay box.

### 7.1 Installation tool and supplies

- Screwdriver
- Wire cutters and strippers
- 2 Tape measure
- Electrical tape

## 7.2 Mounting the controller

- Use the mounting hole diagram to measure and cut a mounting Hole.
- Mount the unit using four #8 PH (0.164" x 0.75") screws for the controller



### Warning

- ⚠ RV manufacturers may use different wiring and wire colors for different RV floor plans. You must ask RV manufacturers for proper instructions before any installation or modification of this product. Incorrect connections may damage devices, cause fire or other lethal result.
- ⚠ You must contact the RV manufacturer or their authorized service for repairing or modification of this product. Do not attempt to disassemble or adjust this product by unauthorized person.
- ⚠ Always disconnect the product from the power source (battery, converter, solar power. Etc.) before removal, repairing, or installation of this product.
- ⚠ Read this User Manual carefully before using this product. Failure to follow the instructions could result in personal injury, including death.
- ⚠ Check RV and its surroundings carefully, especially the slides and awning area, before operations
- ⚠ Must keep unauthorized users, especially children, away from this device
- ⚠ This product must be installed or stored in dry area. Do not expose this product to moisture or water.
- ⚠ The device manufacture is not liable if the users violates the instructions in this manual.

**FCC warning:**

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. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.