USB-Adapter2000 User Manual

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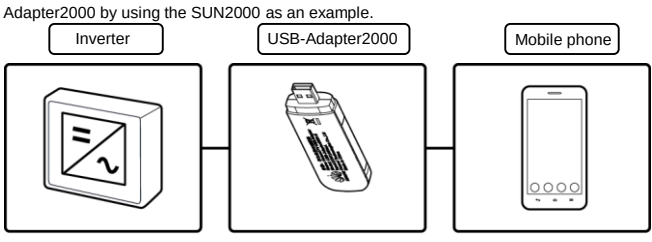
1 Overview

The USB-Adapter2000 is a module that can connect to the USB port on a PV device to perform local maintenance for the device over Bluetooth and mobile phone app. It supports Android and iOS. For details about the applicable PV device models and version mappings, see the *SUN2000 APP User Manual*. This document describes how to use the USB-Adapter2000 by using the SUN2000 as an example.



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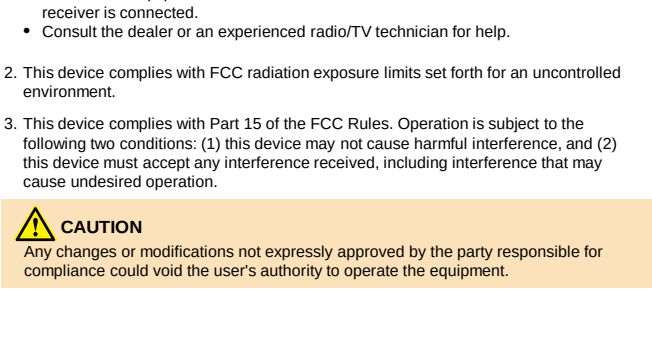
2 Description for Use

NOTE

- Before using the USB-Adapter2000, ensure that the device connecting to it has been powered on.
- When you use the USB-Adapter2000 to implement the communication between SUN2000 APP and the device, ensure that one mobile phone connects to only one device.
- Access the Huawei app store (http://appstore.huawei.com), Google Play (https://play.google.com), or App Store (iOS), search for SUN2000, and download the SUN2000 APP installation package.
- When the SUN2000 APP connects to the USB-Adapter2000, USB-Adapter2000 name is displayed as *XXXXXXXX*HWAPP, where *XXXXXXXX* indicates the latter 8 digits of the USB-Adapter2000 SN.
- After the USB-Adapter2000 connects to the device, see the *SUN2000 APP User Manual* for details about how to operate the device.
- The screen snapshots in this document correspond to app V200R001C00SPC020 (Android).

1. Insert the USB-Adapter2000 into the USB port of the device.
2. Enable Bluetooth on the mobile phone.
3. Run SUN2000 APP.
4. Choose **Select Connection Mode** > **Bluetooth connection**.
5. Tap **Search for Device**, select the Bluetooth module name and connect the APP to the USB-Adapter2000.

Login page | Select connection method | Connect USB-Adapter2000



3 Operating Environment

Item	Range	Item	Range
Operating temperature range	–40ºC to +65ºC	Operating humidity	5%–95%
Storage temperature range	–40ºC to +80ºC	Altitude	0–4000 m
Transportation temperature range	–40ºC to +80ºC	N/A	N/A

4 Performance Specifications

Item		Specifications	Item	Specifications
Product model		USB-Adapter2000-B	Bluetooth standard	4.0LE+EDR
Dimensions		30 mm x 14 mm x 94 mm	External port	USB Type A
Weight		20 g	Protection level	IP20
Port type		USB2.0	Environmental protection	RoHS5
Installation mode		Pluggable	Storage environment	Dry and well-ventilated environment without corrosive gas
Certification		Complies with CE, FCC, TELEC, BQB, and VCCI	Plastic material	PC+ABS (30%)
Bluetooth EDR	Operating frequency	2402–2480 MHz	Version	V200R001C10
	Output power	4.36 dBm (1 Mbps) 3.40 dBm (3 Mbps)		
Bluetooth LE	Operating frequency	2402–2480 MHz	N/A	N/A
	Output power	1.29 dBm		

NOTE

The new version also complies with the regulatory, EMC, and RF requirements.

5 Certification Declaration

FCC

1. 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.
2. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.
3. 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.

CAUTION

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