



Smart Plug T20-AB2 User Manual



QUICK START GUIDE

Preparation

1. Ensure a Thread network with a Thread Matter hub.
2. Reset T20 Smart Outdoor Plug by long-pressing the upper button for 10 seconds until LED blinks slowly.
3. Place T20 within your phone's Bluetooth range and the Thread network coverage.

Setup in Ecosystem App

1. Open your ecosystem app (Apple Home, Google Home, Alexa or SmartThings) to add T20.
2. Tap +, scan the Matter QR code on the device or user manual, or enter the setup code manually. Name the T20 and assign it to a room.

Control & Advanced Features

1. Control On/Off via the ecosystem app or voice assistant.
2. View power meter data directly in the Samsung SmartThings App and Onvis Home App (iOS).
3. Custom features like firmware timers, countdown on/off, logs & stats and overload protection can be accessed via Onvis Service in Onvis App. Please pair Onvis service like an independent ecosystem from your primary ecosystem.

Tips

1. The Matter QR/setup code can be used in the FIRST ecosystem Only.
2. To add T20 to another Thread Matter ecosystem, turn on Pairing Mode and generate a new QR/setup code in the previously linked ecosystem app.
3. Create schedules, automations and scenes via the ecosystem app.
4. Use the ecosystem cloud to control T20 away from home.
5. After setup, T20 will act as a Thread router to extend your Thread network.
6. Thread network may be unstable after adding new devices. It may take up to 24 hours for the network to self-heal and adapt to new structure.

Smart Plug T20-AB2 Overview

Power Button * 2

- Press the button to turn on/off the corresponding outlet.
- Long press the upper button for 10 seconds to reset.

LED Indication

- Waiting for commissioning: Slow blinking
- Disconnected: Fast blinking
- Identify: Flashing twice
- Connected On: Solid On
- Connected Off: Solid Off

Smart Outlet * 2

Plug in your device and control its on/off.
Each outlet is independent.



Matter Thread hubs

For Apple Home:

1. Apple Thread Matter hubs: HomePod mini, HomePod (2nd Gen), Apple TV 4K (2nd gen), Apple TV 4K (3rd gen, 128 GB).
2. The use of an Apple Home accessory needs the follow permissions:
 - a. Settings>iCloud>iCloud Drive>Turn On
 - b. Settings>iCloud>Keychain>Turn On

For Google Home:

Google Thread Matter hubs: Nest Hub (2nd gen), Nest Hub Max, Nest Wifi Pro(Wi-Fi 6E), Chromecast with Google TV (4K) (Also acts as a hub).

For Alexa:

Alexa Thread Matter hubs: Echo (4th gen), Echo Hub, Echo Show 8 (3rd gen), Echo Show 11, Echo Show 15 (2nd gen), Echo Show 21, Echo Studio, eero 6, eero 6+, eero Pro 6, eero Pro 6E, eero Max 7.

For Samsung SmartThings:

SmartThings Thread Matter hubs: SmartThings Hub v3, SmartThings Station.

Specifications

Model: T20-AB2

Input: AC 120V~, 60Hz

Output: Max. 15A / 1800W

Wireless Connection: 802.15.4 (Thread)

Commission: Bluetooth

Dimension: 113.6*69*47 mm

Net Weight: 230g

Material: V0 Fire-resistant PC

Operating Temperature: 0-40 °C (32°F-104°F)

Operating Humidity: 5%-95% RH

FAQ

1. Why did I fail to set up my Onvis T20 smart plug?

- (1) Make sure Bluetooth is enabled in your iOS device.
- (2) Make sure the T20 is within Bluetooth range of your iOS device.
- (3) Make sure your Thread network is in place and working, and the T20 is within Thread coverage.
- (4) Input the correct MATTER setup code.
- (5) Make sure the ecosystem app and hub supports Thread and Matter commissioning. An Android device and app are required to commission to Google, Alexa and SmartThings hubs(as of Jan 2023).

2. No Response

- (1) If the connection of T20 and the Thread network is too weak due to long distance, try deploying a Thread router device to expand Thread network.
- (2) When used in multi-ecosystems simultaneously, there might be delays or even failures.

Warnings

- Rated IP65 (dust-tight and protected against low-pressure water jets). Do not submerge in water or expose to heavy rain, direct water jets, or standing water.
- When plugged into a grounded 3-prong outlet, always ensure the housing is facing downward and is at least 1 foot (30 cm) off the ground. Use the plug's mounting tag to hang from a screw to ensure correct orientation.
- Ensure the plug cover is fully closed and sealed before each use. IP65 protection is only guaranteed when the cover is properly shut.
- Timer could turn-on unexpectedly without the user being present. To Reduce the Hazardous Condition – Unplug the appliance that is plugged into the receptacle(s) controlled by the timer before servicing.
- Risk of Electric Shock. Do not plug into another relocatable power tap or an extension cord.
- Do not remove the ground pin (middle pin) or use a 3-to-2-prong adapter.
- DO NOT use with devices that should not be operated unattended, such as power tools.
- DO NOT use in precision timing applications where inaccurate timing could be dangerous (sunlamps, Saunas, etc).
- Keep out of reach of children and pets.
- No Serviceable parts inside. DO NOT open or tamper with unit.
- DO NOT clean with liquid.
- DO NOT install near water or heat sources.
- DO NOT exceed the recommended electrical ratings.

FCC ID: 2ARJH-T20AB2

Federal Communications Commission (FCC) compliance statement:

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.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum 20cm distance between the radiator and your body. Use only the supplied antenna.



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12-month warranty



Lifetime technical support