

SynScan Wi-Fi Adapter

1. Connect to a Skywatcher Telescope Mount

Attach the SynScan Wi-Fi Adapter(RJ45 Jack) to the “Hand Control” port(RJ12 or RJ45 Jack) on the mount via:

- Supplied RJ12-to-RJ45 cable
- Supplied RJ45-to-RJ45 cable
- Original SynScan hand control cable

2. Connect to a Smartphone

- 1) Download the “SynScan” app from [App Store](#) or [Google Play](#) onto your smartphone.
- 2) Connect the adapter to a Skywatcher telescope mount and turn the power on.
- 3) Choose “SynScan_WiFi_####” in the Wi-Fi list available on your smartphone.
- 4) On an iOS device, wait up to 1 minute until the Wi-Fi icon appears in the notification bar.
- 5) Open the SynScan app on your smartphone and tap on the “Connect” button at the top, your SynScan App will setup connection to the adapter and the mount.

3. Configure the Adapter

In your SynScan app, tap Settings > WiFi Setting.

- Check “Modify Access Point” to
 - *Enable/Disable the Access Point Mode.*
 - *Change the SSID(Name of the access point)*
 - *Add or remove password for accessing the adapter’s Wi-Fi access point.*
- Check “Modify Station” to
 - *Enable/Disable the Station Mode*
 - *Enter the SSID of the Wi-Fi access point (router) to which the adapter will connect.*
 - *Enter the password for the designated Wi-Fi access point (router).*
 - *Enter a static IP. Note: This is not recommended for general users, using DHCP is preferred in most case.*

Tap “Apply” button to confirm setting. You might need to restart the mount and/or re-connect to the correct Wi-Fi network on your smartphone.

Important: *In most case, users should use either “Access Point Mode” or “Station Mode”, DONOT enable both of them.*

4. Factory Reset

If you forget the password of the adapter’s access point, the adapter will need to be reset to factory default for accessing.

The adapter can be reset to factory default after powered up and not accessed for 1 hour.

5. Using Access Point Mode or Station Mode

- **Access Point Mode** is easier to use.
- **Station Mode** needs extra configuration, but it:
 - Allows a smart phone accessing to internet while controlling the telescope mount.
 - Consumes less power.

Specification:

- Power Supply: DC 5V to 16V; 100mA@5V, 40mA@12V
- Baud Rate: 9600bps(default) or 115200bps (for supported mount)
- Wi-Fi: 802.11 b/g/n
- IP Address:
 - For Access Point Mode: Fixed at 192.168.4.1
 - For Station Mode: DHCP or Static IP.
- Transmission Protocol: UDP; Port: 11880

Declaration of Conformity

• FCC Compliance Statement:

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 the 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 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.

FCC Radiation Exposure Statement: 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. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

• European Compliance Statement

Nantong Schmidt, as manufacturer of the product SynScan Wi-Fi Adapter, declares that the said product complies with the essential requirements established in Article 3 of the Council of Europe Directive 1999/5/ CE, dated 9th March, 1999.

• Canadian Compliance Statement

IC RSS warning

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement: This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

• Contains:

FCC ID: 2AC7Z-ESPWROOM02



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206-000519

IC: 21098-ESPWROOM-2



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