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WIFI Adapter

Product description



FDS
TIMING SOLUTIONS

FDS-TIMING, SWITZERLAND

1. Description

The FDS Wi-Fi Adapter module is designed to enhance the flexibility of your timing setup by allowing any FDS RS-232 device to connect to your Wi-Fi network.



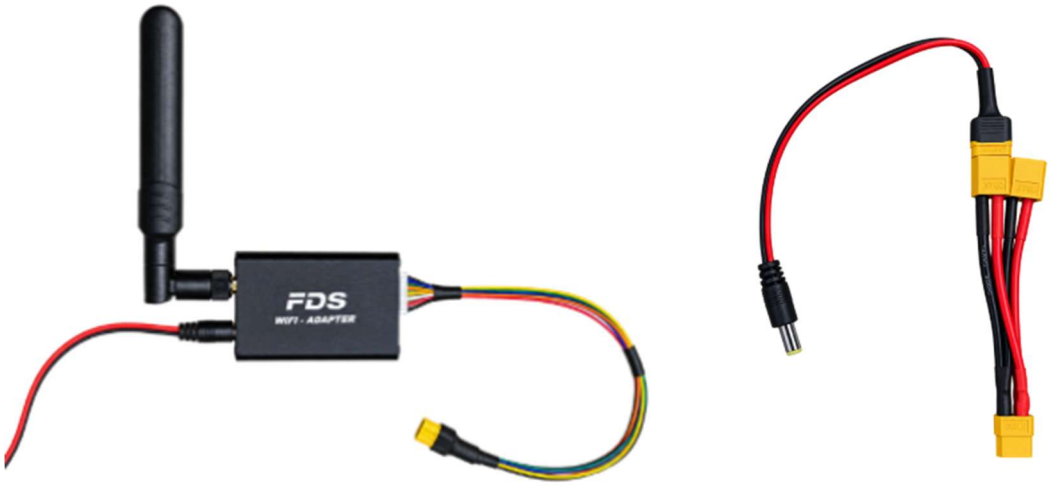
1. Wi-Fi antenna
2. External power supply 9-24VDC (not required for TBox or DBox)
3. RS232 programming connector (3.5 mm jack)
4. TBox/DBox XH2.54 connector

2. Connection to your Device

When used with a TBox or DBox, simply connect an XH2.54 seven-wires cable to the auxiliary port. Do not use any power cable as power is supplied directly by the TBox or DBox (!!! TBox battery life will be reduced.)



When used with an MLED, a special XH2.54-to-MR30 data cable is required. An external power supply must also be connected through the power jack.



The default RS-232 settings are 9600 baud, 8 data bits, and 1 stop bit.

3. Configuration

Before using the module, you must configure it so that it can connect to your local Wi-Fi router. To do this, connect the module to your PC using a DB9 to 3.5 mm jack adapter cable, along with a USB to DB9 adapter if required (see the photo below).
Don’t forget to connect the power cable to the module.



You can then install and use our dedicated PC application, **“WiFi Adaptor Setup,”** which is available in the **Download** section of our website.



1. Make sure that no XH2.54 cable is connected to the module.
2. Power on the Wi-Fi module using a 9–24 V power supply.
3. Select the appropriate COM port in the application.
4. Click the **“Refresh”** button to display all available Wi-Fi networks (SSID), then select the desired network.
5. Enter the Wi-Fi password and configure the **HAUT** and **Encryption** settings as required.
6. Click **“Write to Device”** to save the configuration to the module.
7. Once the configuration is complete, power off the module and remove the jack connector.
8. The module is now configured and ready to be used with your device.

Below are the default Wi-Fi connection settings for this adapter.
Although these settings can be modified through a web browser by entering the device's IP address, FDS does not recommend changing them. Any modifications are made at your own risk.

- **IP address:** Assigned automatically by the router via DHCP
- **Mode:** TCP Server
- **Port:** 7000

Once the adapter has been configured and powered on, the LED indicates the connection status:

- **Green:** Not connected to Wi-Fi
- **Yellow:** Connected to Wi-Fi

4. Tutorial videos

- **Presentation:** https://youtu.be/dSnfbnj-ekk
- **Module Setting:** https://youtu.be/2hd_H3ey-FQ

5. Technical specifications

WIFI	802.11b/g/n
RS232 Settings	9600bds, data 8, stop 1, parity none
Operating temperature	-20°C to 50°C
Power Input	Power Jack: 9-24 VDC (0.2A) XT2.54 connector: 3.3V (TBox and DBox)
Dimensions	75x44x24mm
Weight	60g without antenna

6. Copyright and Declaration

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