

Theory of operation

RF Transmitter:

The RF transmitter is a standard Ti's Wi-Fi CERTIFIED™ Chip (CC3100). The Transmitter supports 802.11 b/g/n radio, baseband, MAC, 256-bit encryption. The CC3100 device supports Station and Access Point modes. Supports WPA2 personal and enterprise security and WPS 2.0. This transmitter includes embedded TCP/IP and TLS/SSL stacks, HTTP server, and multiple Internet protocols.

Antenna:

The device contains a PCB printed antenna with 2dBi gain.

Operation mode #1: Wi-Fi credentials teaching process:

The Wi-Fi credentials teaching process is a way to teach the kwik button the SSID and the password of your Wi-Fi network. After teaching the Wi-Fi credentials, the button can connect to the internet through your Wi-Fi network.

Wi-Fi credentials teaching process:

1. Install kwik.me app on your mobile phone.
2. Connect the phone to the Wi-Fi network 802.11 b/g/n (make sure that the network is 2.4GHz).
3. Open the app.
4. Press and hold the button for about 10 seconds until the button's leds are blinking.
5. The kwik button enters to Access Point (AP) mode.
6. Now other mobile devices can connect to the kwik button via Wi-Fi connection.
7. Click next.
8. Enter your Wi-Fi password and click next.
9. The kwik button will receive the Wi-Fi credentials and configure itself.

Operation mode #2: Send order request:

By pressing on the button the user opens an order request, the button connects to the internet and make the requested order.

Send order request

- Press the button – the kwik button act as a station, connects to the internet through Wi-Fi 802.11b/g/n for few seconds to submit an order. At the end of the process the connection is turned off.