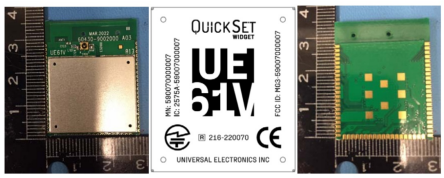

UNIVERSAL ELECTRONICS 590070000007 UEI UE61V Wi-Fi and BLE Module User Guide

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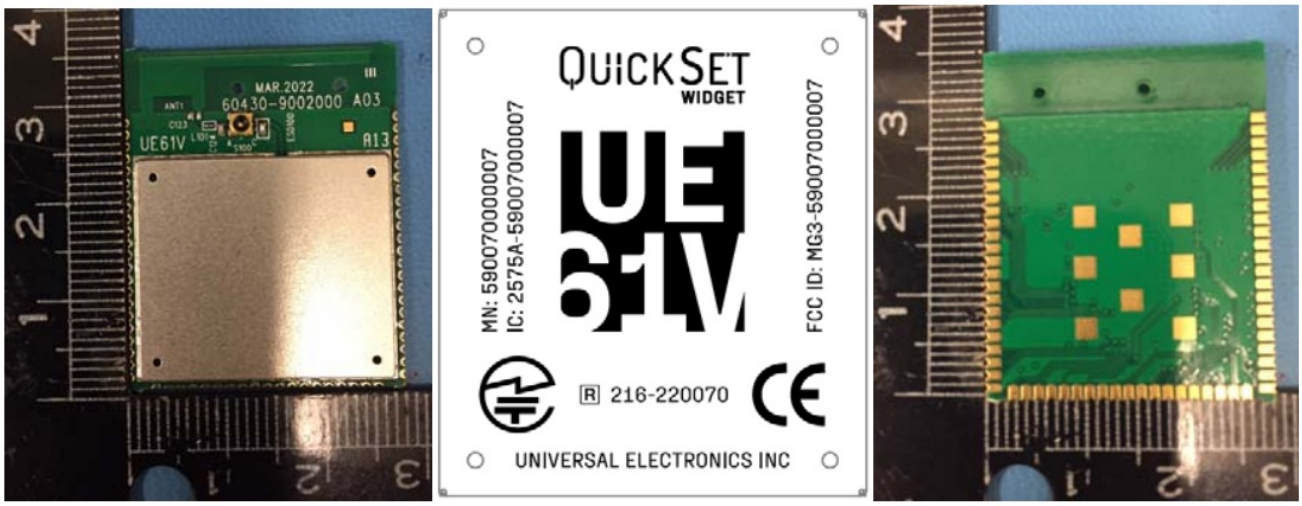

PAIRING BLE MODULE

1. Apply Power 3.3V to module
2. Send serial command via UART
3. Module will be in advisement mode

Caution

Please read these safety instructions to ensure our personal safety and prevent property damage

Warning

- Do not put remote in a fire
- Do not disassemble the remote control
- Disposal of the remote control

  A warning that batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Important Safety Instruction

1. Read these instruction
2. Keep these instruction
3. Head all warning
4. Follow all instructions
5. Do not use this apparatus near water
6. Clean only with dry cloth
7. Do not install near any heat source such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
8. Only use attachment/accessories specified by manufacture
9. Refer all servicing to qualified service personnel. Service is required when apparatus has been damaged in any way, such as liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, dose not operate normally, or has been dropped.

Specification

- **Operating Temperature:** 0°C to 50°C
- **Operating Voltage:** 3.3V

FCC/ISED Part 15C/RSS-Gen warning statement

FCC
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.
2. This device must accept any interference received, including interference that may cause undesired operation.

ISED
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

FCC/ISED RF exposure considerations

FCC

- This modular complies with FCC 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.
- RF Exposure - This device is only authorized for use in a mobile application. At least 20 cm of separation distance between the module and the user's body must be maintained at all times.

ISED

- This device meets the IC requirements for RF exposure in public or uncontrolled environments.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- RF Exposure - This device is only authorized for use in a mobile application. At least 20 cm of separation distance between the module and the user's body must be maintained at all times.

Instruction to module Integrator (for module integration)

Labelling
A label must be affixed to the outside of final commercial product with the following statements:

- This device contains FCC ID: MG3-59007000007
- Contains IC: 2575A-59007000007

Antenna
The antenna gain of a new antenna should be of the same type as the originally approved antenna and the antenna gain should not be higher than the antenna gain of the originally tested antenna. The list of originally approved PCB antennas is the following

- **Type of antenna:** PCB antenna; P/N: N/A, peak gain: 1.5 dBi
- **Antenna P/N:** UE61V-ant

FCC RF exposure considerations

- Consistent with §2.909(a), the following text must be included within the user's manual or operator instruction guide for the final commercial product:
- This modular complies with FCC 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 device is only authorized for use in a mobile application. At least 20 cm of separation distance between the module and the user's body must be maintained at all times.

Additional testing, Part 15 Subpart B disclaimer

The final host / module combination may also need to be evaluated against the FCC Part 15B criteria for unintentional radiators in order to be properly authorized for operation as a Part 15 digital device. The FCC Part 15 Statement shall be included in the user manual of final commercial product if applicable.

Caution Statement for Modifications:
CAUTION: Any changes or modifications not expressly approved could void the user's authority to operate the equipment.

Warning Statement:

- Europe-EU Declaration of Conformity and Restrictions
- Hereby, Universal Electronics Inc., declares that this module is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/E
- This equipment is marked with the symbol and can be used throughout the European community.
- This indicates compliance with the RE Directive 2014/53/EU and meets the relevant parts of following technical specifications:
  - EN 300 328 v2.2.2
  - EN 301 489-1 v2.2.3 / -17 v3.2.4
  - EN 62368-1:2020+A11:2020
  - EN 62479: 2010
  - EN 55032: 2015
  - EN 55035: 2017

Documents / Resources

	UNIVERSAL ELECTRONICS 590070000007 UEI UE61V Wi-Fi and BLE Module [pdf] User Guide 59007000007, MG3-59007000007, MG359007000007, 590070000007 UEI UE61V Wi-Fi and BLE Module, 590070000007, UEI UE61V Wi-Fi and BLE Module, Wi-Fi and BLE Module, BLE Module, Module

Manuals+.