Targus ACB75B Bluetooth V5.3 Dual Mode Dongle Instruction Manual

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Contents

Revision History

Version	Date	Change Description
1.0	11/01, 2019	Initial release

The ACB75B is a dual-mode(BR/EDR + Low Energy) USB Adapter and using Realtek RTL8761BUV chip complies with Bluetooth 5. It combines a BT Protocol Stack for LM, LL, L2CAP, GATT, RFCOMM, SPP and LE.

The ACB75B is compatible with previous versions, including v2.1 + LE. For BR/EDR, it allows multiple avtive links in either slave mode or master mode. For Low Energy, it supports multiple states and allows multiple active links in slave mode. A BR/EDR link and an LE link can be active at the same time.
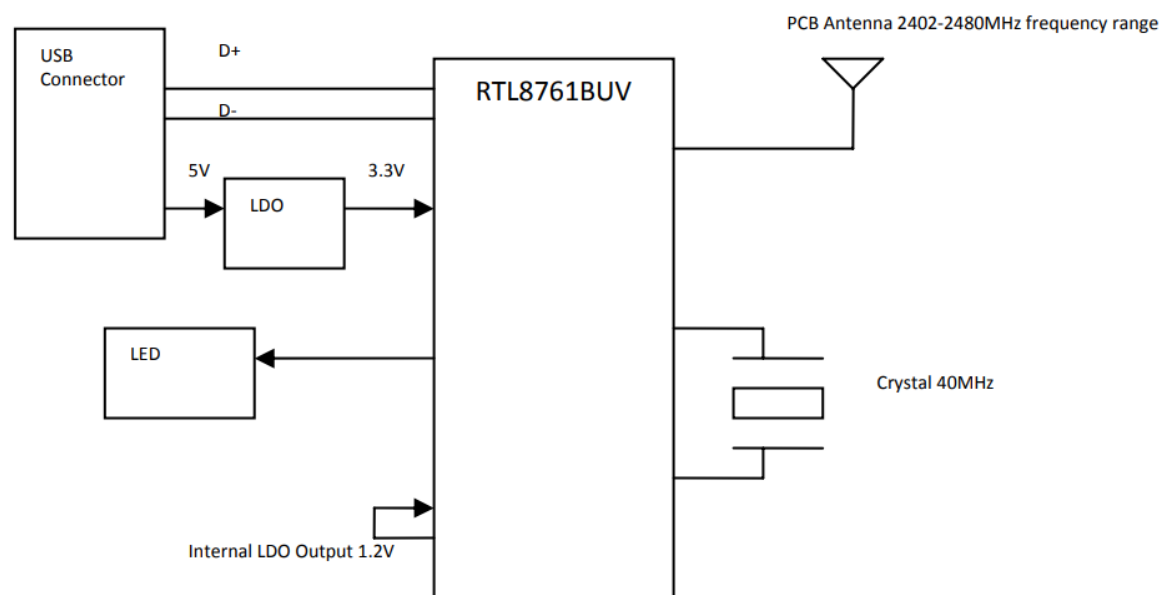
FEATURES

- Bluetooth 5 specification compliant
- Supports Bluetooth classic (BR/EDR)
- Supports Bluetooth Low Energy (BLE)
- Single-end RF radio output with high performance up to 4.25dBm
- Supports Power Control
- Fast AGC control to improve receiving dynamic range

SPECIFICATIONS

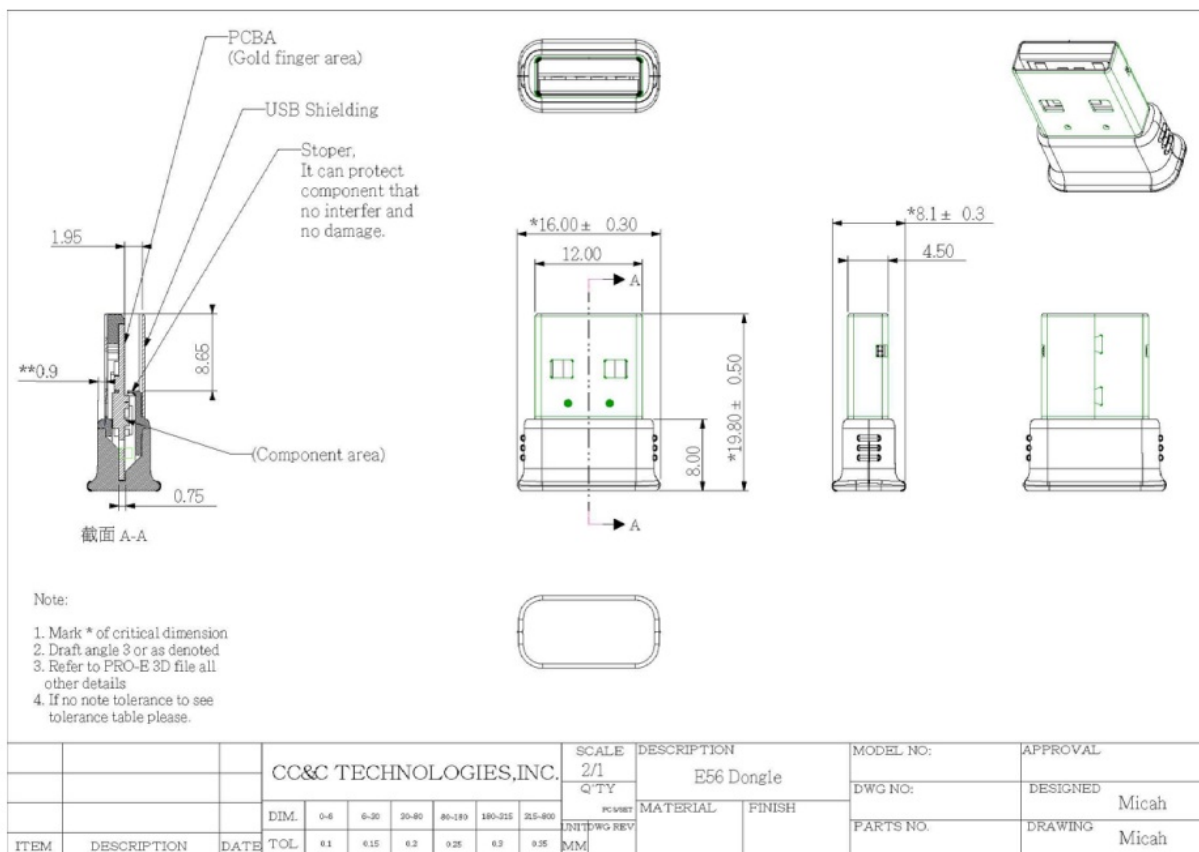| Model Name	ACB75B
Product Name	Bluetooth V5.3 Dual-Mode Dongle
Standard	Bluetooth v2.1 /v5 dual mode
Frequency Band	2.4-2.4835GHz unlicensed ISM band
Spread Spectrum	FHSS (Frequency Hopping Spread Spectrum)
Transfer Rates	2Mbps data rate
RF Output Power	4.25 dBm
Sensitivity	-95dBm@BLE / -92dBm@2Mbps EDR
Input power	DC 5V (via USB Port)
I/O Interface	USB
LED Indicator	Configurable
OS Support	Linux, Windows 7/8.1/10 (inbox ready)
Environment	Operation temperature: 0 – + 60 degree
EnvironmentSize	Storage temperature: -20 – +70 degree
	Humidity: 5 – 90% non-condensing
	19.47 x 16 x 8.1 mm (L x W x H)

Specifications are subject to change without notice

Block Diagram

Dimension

Subject to change without notice

PCBA
(Gold finger area)

USB Shielding

Stoper,
It can protect
component that
no interfer and
no damage.

1.95

8.65

**0.9

0.75

(Component area)

截面 A-A

*16.00 ± 0.30

12.00

A

*19.80 ± 0.50

8.00

A

*8.1 ± 0.3

4.50

Note:
1. Mark * of critical dimension
2. Draft angle 3 or as denoted
3. Refer to PRO-E 3D file all
   other details
4. If no note tolerance to see
   tolerance table please.

ITEM	DESCRIPTION	DATE	DIM.	0-6	6-30	20-80	80-180	180-315	315-900		CC&C TECHNOLOGIES,INC.	SCALE 2/1	DESCRIPTION E56 Dongle	MODEL NO:	APPROVAL
			TOL.	0.1	0.15	0.2	0.25	0.3	0.35			Q'TY	MATERIAL FINISH	DWG NO:	DESIGNED Micah
										UNIT MM	DWG REV	PCS/SET		PARTS NO:	DRAWING Micah

WELCOME

Thank you for your purchase of the Bluetooth USB Adapter. Featuring Bluetooth wireless technology, Bluetooth USB Adapter creates cable-free connections between your PCs and other Bluetooth devices. Bluetooth USB Adapter supports Bluetooth 5.0 standard and compatible with all Bluetooth certified devices.

Features

- Compliant with Bluetooth standard version 5.0
- (BR, EDR), LE dual mode
- Support for Microsoft Windows 7 / 8.1 / 10 / 11
- Easy operate and set up.

System Requirement

- Processor: Intel Celeron/ Pentium IVor above. AMD Athlon or above
- **Operating System:** Microsoft Windows 7 / 8.1 / 10 / 11
- **System memory:** based on Windows OS hardware requirements
- **Hard Drive Free Space:** 250MB or above

We still proposal end user your PC / Notebook system not more than one Bluetooth device (only one BT device), so final we wish the PC / Notebook can disable / removal build-in the Bluetooth device hardware.

Ps. How to removal your PC/notebook Bluetooth device hardware? You can contact your PC/notebook vendor let vendor tell you how to do removal Bluetooth device. Because each vendor build-in Bluetooth device seat will different and then ask your PC/notebook vendor will be the fast way to correct.

Before You Start

Please remove any previous version of Bluetooth driver existing in your operation system.

The remove procedures are as follows:
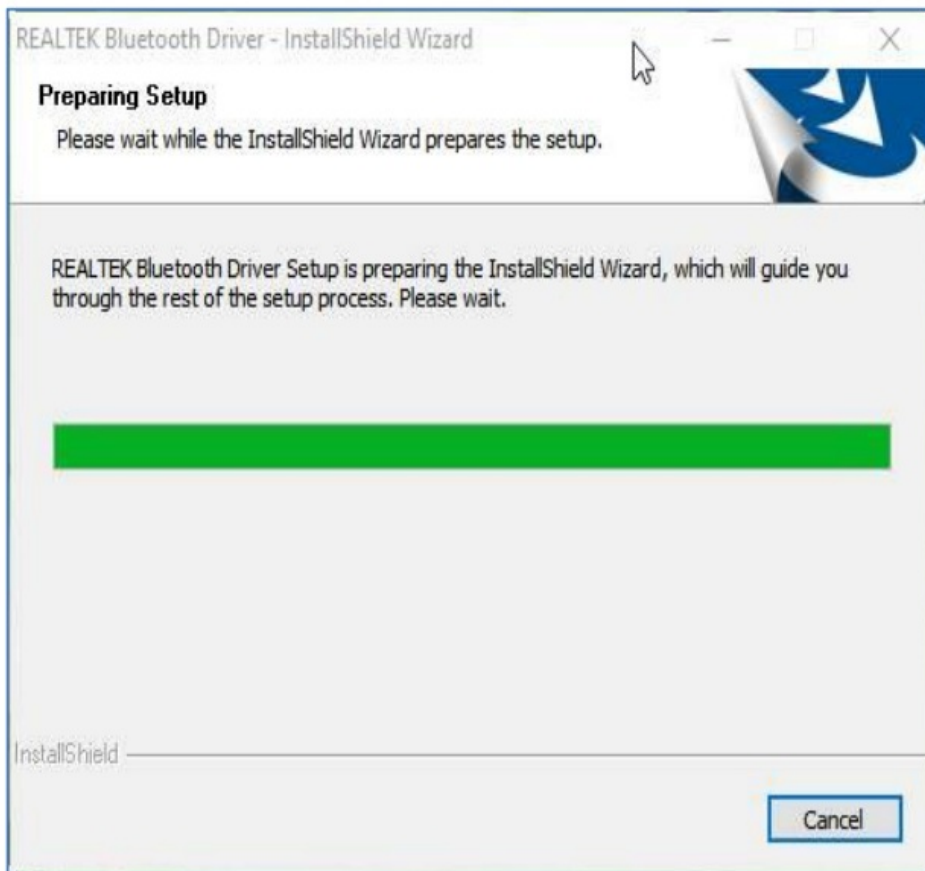**Step 1:** Click Start/Settings, then select Control Panel.
Step 2: In the Control Panel window, double click Add/Remove programs
icon. Step 3: Find out the "REALTEK Bluetooth Driver" Software then remove it
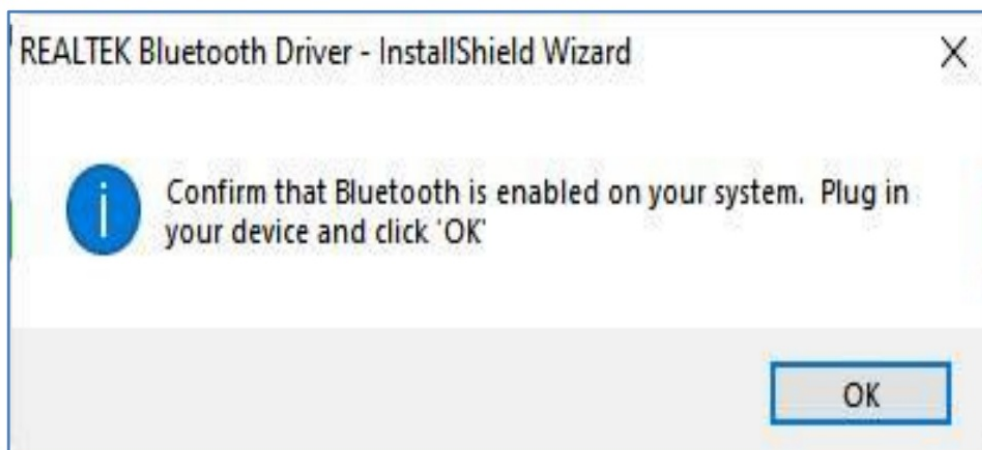
Driver Installation

Step 1:
Put Driver CD into CD drive of your PC, an auto-installation program will start to guide you to complete the installation step by step.
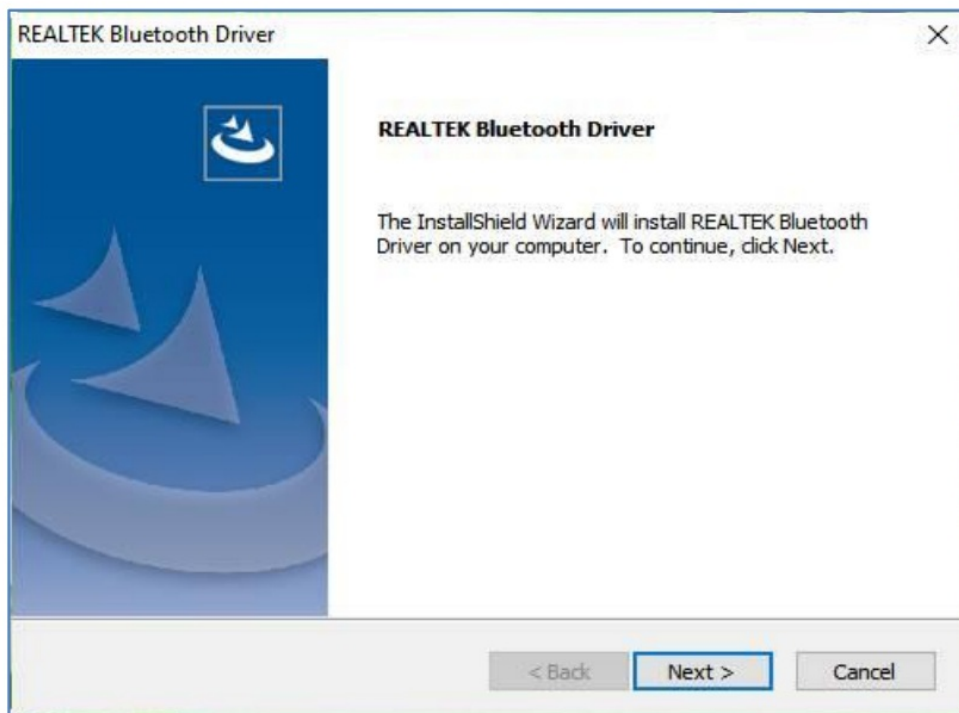

Step 2:
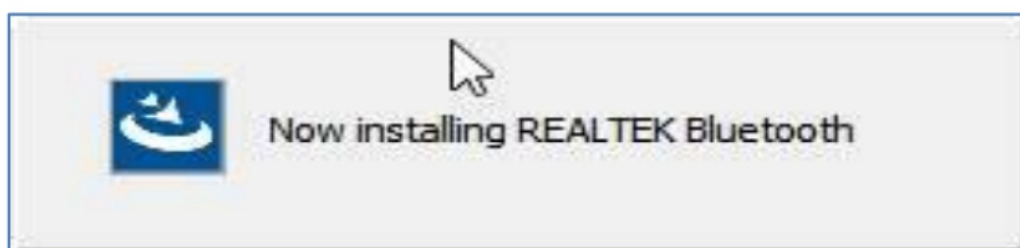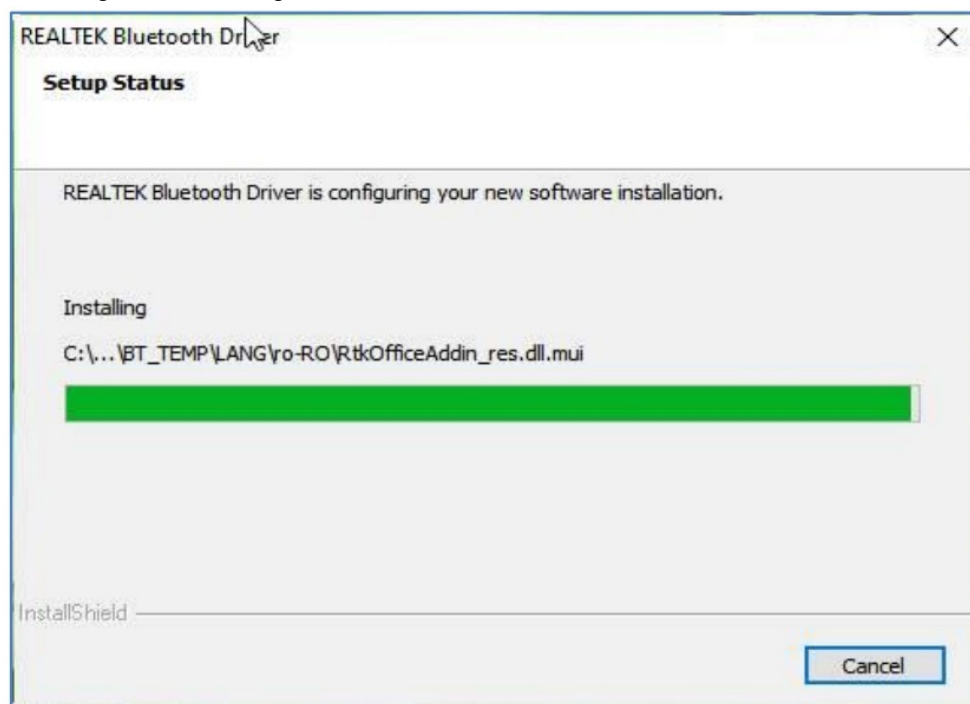Please insert Bluetooth USB Adapter and click "OK" button to continue installation.

Step 3:
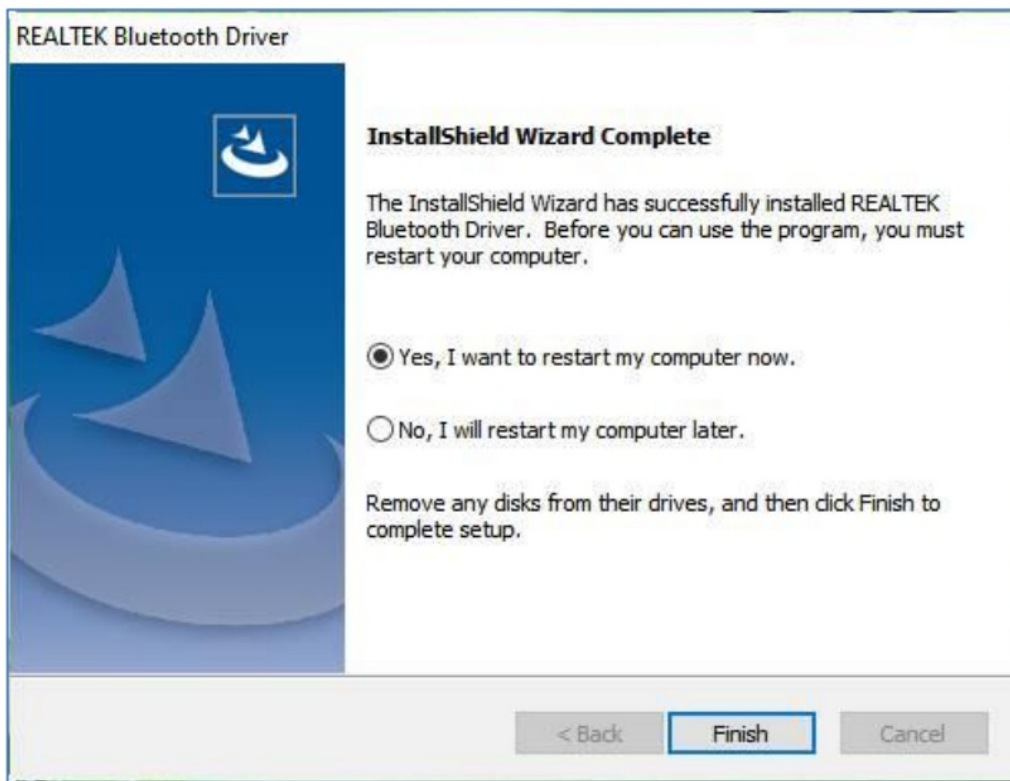After everything is checked by setup wizard, click "Next" button to start installation.

Step 4:
Installing driver's dialogs are shown.
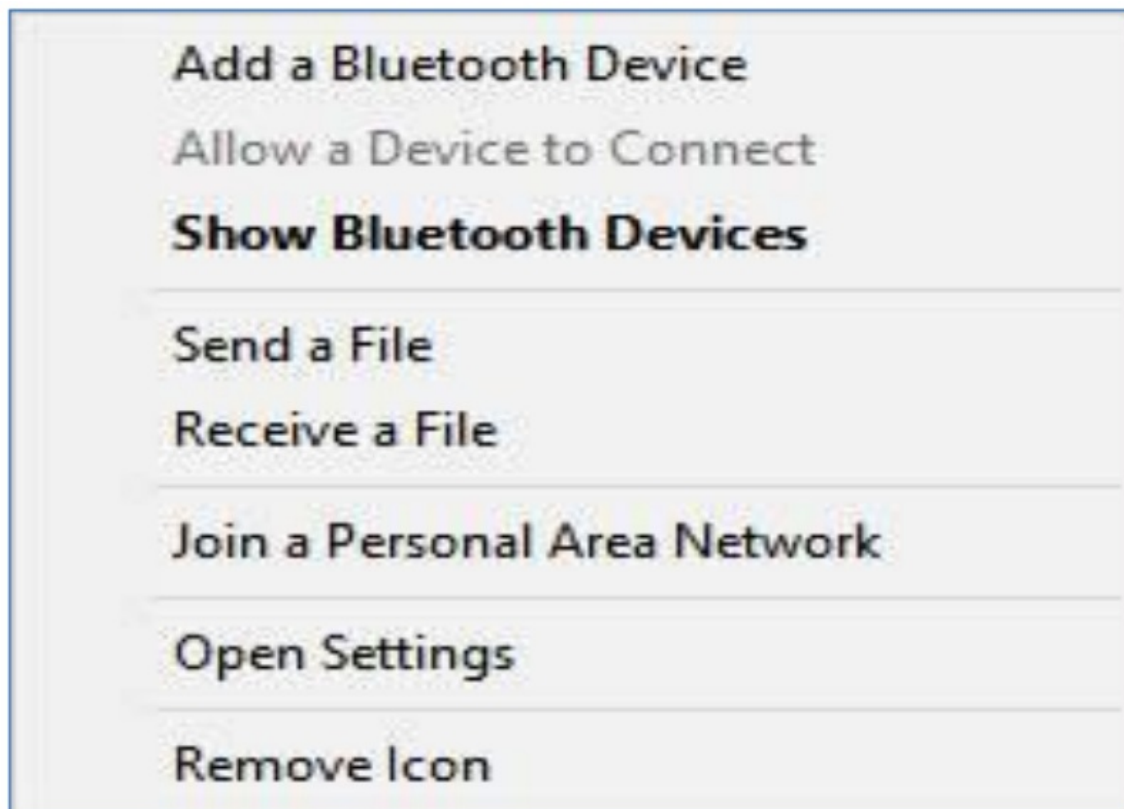

Step5:
Installation Completed and Click "Finish" button.

REALTEK Bluetooth Driver

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed REALTEK Bluetooth Driver. Before you can use the program, you must restart your computer.

◉ Yes, I want to restart my computer now.

○ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

[< Back] [Finish] [Cancel]

How to Use Bluetooth USB Adapter

Right Click "Bluetooth Icon" in taskbar and setup menu is shown.

ENG   2:09 PM   5/19/2022

Add a Bluetooth Device

Allow a Device to Connect

Show Bluetooth Devices

Send a File

Receive a File

Join a Personal Area Network

Open Settings

Remove Icon

The basic connection of Bluetooth devices flow is below

Connect to Remote Device

- Turn on Bluetooth Device
- Add a Bluetooth Device

  https://support.microsoft.com/en-us/windows/add-a-device-to-a-windows-10-pc-ae095699-4d4f-40da-02-e9662a855364

File Transfer between Bluetooth devices

- **Send a File**

  https://support.microsoft.com/en-us/windows/send-files-over-bluetooth-in-windows-36f8cf26-d1ff-50d1-4b73-3a56e5b43e6a
- **Receive a File**

  https://support.microsoft.com/en-us/windows/receive-files-over-bluetooth-d8da2667-e79b-744c-c135-f58af38fc3ba

Join a Personal Area Network

- Prerequisite

  Remote Bluetooth Device contains the terminal of Wired, Wi-Fi or Cellular connection in the network.

Advanced Settings

- **Open Settings**

  https://support.microsoft.com/en-us/windows/how-to-find-bluetooth-settings-in-windows-5027e93e-6e8-4b4f-a412-c6c6cd6f57cc

Remove Icon

- Remove Bluetooth Icon from windows taskbar

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.
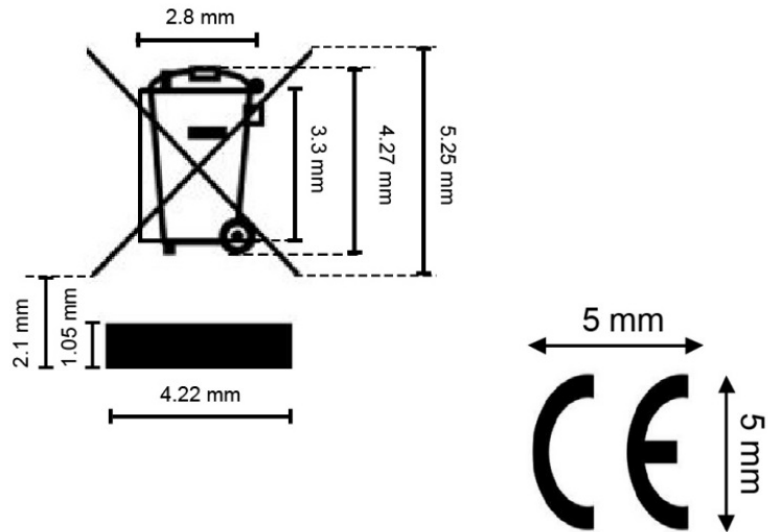
Industry Canada Statement—— Radio

This device complies with Industry Canada's licence-exempt RSSs. 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 d device.

ISED RF exposure statement:
This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.

Documents / Resources

Targus ACB75B Bluetooth V5.3 Dual-Mode Dongle Manual+Product Specifications Version: 1.0 Release date: 2010-11-01	**Targus ACB75B Bluetooth V5.3 Dual Mode Dongle** [pdf] Instruction Manual ACB75B, OXM000147, 000147, ACB75B Bluetooth V5.3 Dual Mode Dongle, Bluetooth V5.3 Dual Mode Dongle, V5.3 Dual Mode Dongle, Dual Mode Dongle, Dongle

References

- ■ [Add a device to a Windows 10 PC - Microsoft Support](#)
- ■ [How to find Bluetooth settings in Windows - Microsoft Support](#)
- ■ [Receive files over Bluetooth - Microsoft Support](#)
- ■ [Send files over Bluetooth in Windows - Microsoft Support](#)

Manuals+,

- ■ [Add a device to a Windows 10 PC - Microsoft Support](#)
- ■ [How to find Bluetooth settings in Windows - Microsoft Support](#)
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