

VC80 Windows 7/10

Driver Installation Guide

Required drivers:

1. Intel Chipset driver: (file name- SetupChipset_10.1.1.34.exe)
For Windows 10 only
 - a. **Reboot VC80;**
 - b. **Open Device Manager -> System Devices;**
 - c. In System Devices, update I2C driver to “I2C Controller” using Update Driver Software, pick up “I2C Controller” driver from the list of compatible hardware;
2. Intel HD Graphics driver: (Driver version is identified as 10.18.10.4358);-(file name – Setup.exe in Graphics_15.33.42.64.4358.zip)
 - a. **Reboot VC80;**
3. Intel TXE driver rev. (driver version is identified as 1.0.0.1064); (file name - SetupTXE_2.0.22.0.exe)
 - a. Unattended installation: “setuptxe -s”;
4. Intel IO drivers (I2C, HSUART, SPI and GPIO drivers rev.1.1.1.1004);
file name –
 - Windows 7 - Intel_Atom_E3800_Processor_Windows7_IO_Drivers.msi
 - Windows 10 - Installed individually as INF files in this ZIP file - Intel_Atom_E3800_Processor_Windows10_IO_Drivers.zip
5. Touch Base UPDD driver rev. 05.01.1930: (file name- TouchScreen_Driver_Windows_7_10_Setup64_05.01.1430.exe)
 - a. Select “AR1100 USB” from device list during installation;
 - b. **Start Configuration application and configure UPDD for Interactive touch, 16-point calibration;**
 - c. **Calibrate touch panel;**
 - d. **Reboot VC80**
6. Realtek VC80 Audio driver rev. 6.0.1.7329_PG398;
(file name Setup.exe in Zebra_VC80_Realtek_Audio_Driver_Windows_7_10_v6.0.1.7329_PG398.zip > 7329_PG398_VISTA folder)
***** Installation of the driver requires 2 reboots. The Setup file will prompt for these reboots.**
7. Broadcom Bluetooth driver (Broadcom BT Driver + WidComm BT Stack package);
Setup.exe in:
 - Bluetooth_Zebra_VC80_Win7_6.5.1.6930.zip
 - Bluetooth_Zebra_VC80_Win10_12.0.1.940.zip

8. Broadcom WLAN drivers:

A. Windows 7:

- Install Base Driver rev. 6.223.274.9 for Windows 7; (file name - **Zebra_VC80_Broadcom_WLAN_Windows7_6_223_274_9.exe**)
- Install WLAN Driver Update rev. **6.223.274.23** for Windows 7 (with CCX support) using Windows "Update Driver" and pointing to the driver files location manually (i.e. Steps a-d in "C1" below and then select Update Driver from the Driver tab).

B. Windows 10:

- Base Broadcom WLAN Driver rev. **6.30.223.256** comes out-of-the-box on Windows 10.
- Install WLAN Driver Update rev. **6.223.274.23** for Windows 10 (no CCX support) using Windows "Update Driver" and pointing to the driver files location manually (i.e. Windows Settings>Network & Internet>Change adapter options> Steps C1c – C1d select Update Driver from the Driver tab).

C. This step applies to both Windows 7 and Windows 10 OS installations.

Configure custom roaming and regulatory settings for the WLAN driver in Registry. The provided REG files, in the WLAN driver update folder, use the default driver location/path (i.e. ...\\0012) as shown in the example below. When the Broadcom driver is installed on a non-Zebra VC80 OS image, this location/path may not be the same number, therefore the REG file should be edited with the correct location value.

1. How to find the registry location:

- a. Control Panel – Network and Sharing Center
- b. Select "Change Adapter Settings"
- c. Right click on the Wireless adapter and select "Properties"
- d. Press the "Configure" button
- e. Select the "details" tab
- f. Select "Driver key" from the drop-down list.
- g. The last 4 digits of this Value will be your correct installation path.
- h. From the example below, you would replace the location of \\0012 with the value found in step 7 above.

Sample registry driver

- **VC80 Windows 10-specific WLAN driver location (0012) is shown below. Please use actual driver location.**
- **[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4d36e972-e325-11ce-bfc1-08002be10318}\0012]**
- **The following settings are hard-coded in Zebra WLAN driver. Please verify they have been applied:**
 - "autoCountryDiscovery"="1"
 - "Country"="Q1"
 - "FullRoamScanInterval"="10"
 - "RoamScanFreq"="5"
 - "pscan_idle_thresh"="1000"

9. VC Control Panels Software Package rev. 5.0.44201.0 (Windows 7) or rev. 5.1.44316.0 (Windows 10).

The Package includes:

- a. Embedded Controller and Accelerometer sensor drivers;
- b. Configuration User Interface for all VC-specific features;
- c. Unattended installation command line:
 - First time installation: "VCControlPanel_setup.exe /s /l=<fullPathLogFile>";
 - Update: "VCControlPanel_setup.exe /s /l=<fullPathLogFile> REPAIR=TRUE";

10. Reboot

Optional drivers (if the SKU supports the hardware or for printer support):

1. Ethernet Interface - Realtek Gigabit Ethernet driver rev. 10.13.1223.2016 or later;
 - Windows 7 - Realtek_GBE_Win7_7092_08242015.zip
 - Windows 10 - VC80 Ethernet Driver Win10_INF.zip
2. GPS Interface:
 - U-Blox sensor driver – (filename - GPS_UBloxGnss_sensorDeviceDriver_windows_3264_v2.24.exe)
 - - U-Blox Sensor and Virtual COM port Driver rev. 2.24 (out-of-box Windows 10 Enterprise driver);
3. CAN Bus Interface:
 - - CAN Bus jCOM1939 Monitor and Simulation utility rev. 1.02;
 - VCOM port driver:
 - i. If this driver is missing, Device Manager > Other Devices - will display an ! for an unknown VCOM device.
 - ii. Driver needs to be added manually with Windows "Update Driver Software" (driver is located in the "VCOM_Driver_Windows7.zip" file).

Optional Zebra software:

1. Zebra Scanner SDK rev. 3.00.0004;
2. Zebra CoreScanner Driver rev. 3.00.0003;
3. Zebra SMS rev. 3.00.0004;
 - a. Configure SMS Service to "Manual" Startup type;
4. Zebra Printer Setup Utilities rev. 1.1.9.1204;
5. Zebra Font Downloader rev. 3.1.1.9355;
6. Zebra Designer Pro 2 rev. 2.50.9385;
7. Zebra Printer Status Monitor rev. 5.1.7;
8. Zebra Firmware Downloader rev. 3.0.1.28;