

DtBb2 Driver

Windows Device Driver Installation

1. Introduction

DtBb2 is the Windows device driver for DekTec's new line of digital-video adapters.

Installation of the **DtBb2** device driver is straight-forward: Running a set-up program will automatically install or upgrade the device driver.

1.1. Adapters Supported by the DtBb2 Device Driver

The **DtBb2** device driver supports the following DekTec adapters:

DTU-331	Portable all-standard RF probe for USB-3
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1.2. Files

The **DtBb2.zip** archive contains the following files:

DtBb2Install.exe	Setup program that installs the DtBb2 device driver.
DtBb2 Installation.pdf	This installation document.

The setup program copies several **DtBb2** device-driver files into a selectable directory, defaulting to **C:\Program Files (x86)\DekTec\Drivers**.

DtBb2.sys	v1.0.1.11	Device driver 'system' file (executable).
DtBb2.inf	v1.0.1.11	Device driver information file (".inf").
DtBb2.cat	v1.0.1.11	Device driver information file (".cat").
\DotDat	v1.0.0.11	Folder containing firmware and adapter specification files
DtapiService32.exe	v5.0.1.117	DTAPI Service executable

Thereafter, setup instructs the Plug'n Play manager to install the device driver files. A log file is created, to aid debugging in case of an install failure.

DtDrvInstall.log	Log of installation events.
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2. Installing the Software

The **DtBb2** setup program is self-contained. Installing the device driver is as simple as running the setup executable and pressing “Next” a few times.

NOTE

- A Windows device driver can only be installed by a user account with the privilege to *load and unload device drivers*, e.g. administrator.
- Please make sure that no application is currently running that uses a DekTec **DtBb2** adapter.

The device driver can be installed *after* the **DtBb2** adapter has been inserted/connected into the system (§2.1), or *before* the hardware is inserted (Pre-Installation, §2.2). Both approaches are equally valid.

2.1. Hardware Inserted Prior To Device-Driver Installation

This scenario assumes that:

- The **DtBb2** device driver software has not been installed before on the PC, and
- A DekTec adapter has been inserted/connected into the PC and the PC is powered on.

Sometime after booting the PC, the **Found New Hardware Wizard** will show up. As no device-driver software has been installed yet, you should **CANCEL** the wizard.

You can now run the **DtBb2** setup program to automatically install the device driver. After the installation completes, the adapter can be used immediately. No reboot is required.

2.2. Pre-Installation: Device Driver Installed without Hardware Present

This scenario assumes that:

- No previous version of the **DtBb2** device driver software has been installed on the PC, and
- No DekTec adapters are present in the PC.

You can pre-install the device driver by running the **DtBb2** setup program.

Then, (shut-down the computer) insert the DekTec adapter. After powering up the computer/connecting the USB **DtBb2** adapter, the device driver should install itself just after booting. On Windows, the **Welcome to the Found New Hardware Wizard** might show up. Choose **Install the software automatically (Recommended)**. Press **Next** and **Finish**, and the driver installs.

2.3. Upgrading an Existing Driver

The setup program can also be used to upgrade an already installed **DtBb2** device driver to the latest version. Again, no reboot should be required.

3. Troubleshooting

3.1. Checking Device Status in the Device Manager

The Windows device manager can be used to check whether the driver runs properly. To check the device status of an adapter:

1. Open the Windows device manager: right-click **My Computer**, select **Manage**, and go to **Device Manager** under **System Tools**.
2. Locate the DekTec device in category **Professional audio/video interfaces**.
3. Right-click the device, select **Properties**, and check the **Device status** pane.

The status should be: **This device is working properly**. If not, don't try the Windows Troubleshooter (it does not know anything about DekTec adapters), but inspect the event log (§3.2) and the install log (§3.3). If the computer does not boot, please review §Error! Reference source not found..

3.2. Checking the Event Log

The System Event Log can be consulted to check whether the **DtBb2** device driver has been loaded and started properly. To open the System Event Log:

1. Right-click **My Computer**, select **Manage**, and open **Event Viewer** under **System Tools**.
2. Select the **System** log.
3. Driver messages from DekTec devices have **DtBb2** in the **Source** column.

If the driver loads successfully, the following event message is logged:

The DtBb2 driver (Rev x.x.x.x) has loaded successfully.

The device-driver version listed in this message should match the **DtBb2**-version number listed in the file overview in 1.2.

3.3. Checking the Install Log

The install log is a text file (**DtDrvInstall.log**) written into **C:\Program Files\DekTec\Drivers** (or a redirected path). In case of installation troubles, please contact DekTec at support@dektec.com, attaching the install log.

4. DtBb2 WDM Device Driver Revision History

Version	Date	Change Description
v1.0.1.11	2023.08.30	• DTU-331: Improvements on signal reception > 1GHz
v1.0.0.10	2023.06.16	• Support for DTU-331 Portable all-standard RF probe for USB-3