



## AN100 – Technology Demonstration Hardware: VideoTuner Application Installation

### INTRODUCTION

Most EVD Technology Demonstration hardware platforms include interfaces which permit access to advanced features. These interfaces are typically based upon the USB specification. Programming APIs are available to customers who wish to create their own control software/firmware. For evaluation purposes EVD provides VideoTuner, a Windows®-based (Windows 2000, XP, and Vista) application which allows quick access to many of these same advanced features. Setup of the VideoTuner evaluation system is straightforward: in general, the user installs VideoTuner software from a CD in the usual manner and connects the PC to the hardware using the appropriate cable. Other documents are available which describe in detail the operation of specific demonstration hardware. This document describes the steps necessary to establish communications between the VideoTuner application and the demonstration hardware.

#### 1.1 VideoTuner installation from CD

Insert the application CD into the computer's CD (or DVD) drive. If autoplay is enabled, the installation application will appear. If this does not occur, use Windows Explorer to navigate to the CD drive and execute "Setup.exe."

#### 1.2 VideoTuner installation from a file

Updates to VideoTuner are distributed via EVD's FTP server (contact the factory for details). In this case, a single file is downloaded to the local hard drive. Windows Explorer is then used to navigate to and execute this file. From this point, installation is typical of most applications. The only available option is the installation location: if you choose to alter the default location, make note of the new location for future reference.

### 2. Connect the hardware

Once the installation program is complete, close VideoTuner (if open). Using the appropriate data cable, connect the PC to the demonstration hardware, using a standard USB cable with mini-B connector. USB 2.0 is supported.

### 3. Power-up the hardware

Connect the supplied power supply cable to the demonstration hardware, and connect the power supply to the AC mains.

Note: for USB-based hardware, at this point the PC should detect new hardware. EVD hardware uses an HID-based USB interface so that no custom drivers need to be installed: Windows will automatically recognize this and install drivers as needed. Do not open VideoTuner until this process is complete.



#### 4. Load VideoTuner application

Using the main Windows menu, start the VideoTuner application. The software will attempt to detect the connected hardware and once communications are established, will display the connection type in the Status window at the bottom of the screen. Refer to Application Note AN101 for additional information regarding the use of VideoTuner.

In the event VideoTuner is unable to detect connected hardware, a window titled “Select hardware type” will appear. Note that this window is intended to assist in debugging at the factory. Selecting any of the available options does not cause the connection to be made. If this window appears, click CANCEL and perform the following checks:

- Hardware is correctly connected to the PC
- Hardware is powered on

Once these checks have been made, click the DETECT button in the Status window. If the problem persists, contact your sales representative or the factory for additional support.

Enhanced Video Devices, Inc.  
9830 Summers Ridge Road  
San Diego, CA 92121  
858-530-0100

[www.enhancedvideodevices.com](http://www.enhancedvideodevices.com)

Copyright © 2009 Enhanced Video Devices, Inc. (EVD). All rights reserved. The information contained herein is subject to change without notice in order to improve design and/or performance. EVD products are protected under numerous U.S. and foreign patents and pending applications, maskwork rights, and copyrights. EVD assumes no responsibility or liability for the use of any of its information, products, or services, and conveys no license or title under any patent, copyright, or mask work right to its products, unless otherwise expressly specified and agreed in writing. Furthermore, EVD's products are not designed for use as critical components in life support, life saving, critical control or safety applications where a malfunction or failure may reasonably be expected to result in significant injury or harm. The inclusion of EVD products in such applications implies that the manufacturer assumes all risk of such use and in doing so fully indemnifies EVD against all damages resulting from such application. Any applications that are described herein are for illustrative purposes only.