Software Tutorial
Using Proteus X and Cubase LE
Introduction
This guide contains a step-by-step walk-through for using your E-MU Xboard 61 with Cubase LE and E-MU Proteus X. We encourage you to perform the steps on your computer as you read so that you become familiar with the process.

Once you’re up and running, you can find detailed information on all aspects of the Xboard 61, Proteus X, and Cubase LE in the PDF Owner’s Manuals.

Before you Begin
To use this tutorial, you should have already installed the necessary hardware and software, including:

- E-MU Xboard 61 drivers and Xboard Control application
- E-MU Proteus X
- E-MU Production Sound Set
- Steinberg Cubase LE

Xboard 61
Install the E-MU hardware and software on your computer according to the instructions in your printed “Getting Started” manual. Make sure your Xboard is plugged in and turned on.

Note: This tutorial assumes you’re connecting your Xboard using USB.

Proteus X
A professional desktop sound module based on the Proteus 2000 sound modules and Emulator samplers. Proteus X can be used as a VSTi in Cubase LE.

To install Proteus X, follow the instructions in the printed Proteus X “Getting Started” manual.

Production Sound Set
This tutorial prompts you to load the Proteus X Composer Bank, which is located on Disc 1 of the Production Set. You’ll probably want to install all three discs, along with the Xboard Performer Disc, to take full advantage of the professional sounds included with your Xboard 61.

To install the Production Set, insert Disc 1 and follow the Install Shield Wizard’s instructions.
Steinberg Cubase LE
Steinberg Cubase LE is a 24-bit/96kHz multi-track audio/MIDI recorder with high-quality effects, automation, virtual instruments (VSTi), and many other professional features.

When you run it for the first time, Cubase LE prompts you to test ASIO configuration. You should skip this test, and configure Cubase LE to use the ASIO drivers for your sound card.

Consult the Cubase LE Operation Manual and/or your sound card’s Operation Manual for help setting this up.

To access the Cubase LE documentation, click the Start menu, and select Programs, Steinberg Cubase LE, Documentation, and select the appropriate document.

Setting Up the Xboard 61 in Cubase LE
Follow these instructions to set up Cubase LE to use your Xboard 61 as the default MIDI input device. This way, when you create a new MIDI track, your Xboard will automatically be set as the input source. Cubase LE will remember these settings, so you’ll only need to do this once.

1. **Open Cubase LE.**
2. Select **Device Setup...** from the Devices menu.
3. Click **Default MIDI Port** from the list on the left.
4. From the **MIDI Input** drop-down menu, select **E-MU Xboard61 [Emulated]**.
5. Click **OK** to close the Device Setup screen.

![](DeviceSetup.png)
Running the Proteus X VSTi from Cubase LE

These instructions explain how to use Proteus X as a VSTi from within Cubase LE. First, set up a MIDI track with the Proteus X VSTi. Once you load a bank in Proteus X, you’re ready to record.

► To Setup a MIDI Track with the Proteus X VSTi
1. From the File menu, select New Project.
2. From the New Project dialog that appears, select Empty, and click OK.
3. From the Select directory dialog box that appears choose a location on your hard disk where you wish to store your audio files, and click OK.

The Cubase LE Project window appears.
4. From the Project menu, select Add Track, MIDI.

The Cubase Project Window should now look like this with one MIDI track:

◆ Tip: If you have two or more hard disks, it's better to store audio files on a disk that isn't running your OS.
5. Click the **Devices** menu, and select **VST Instruments**.

![Devices menu](image)

6. From the VST Instruments window that appears, select **E-MU, ProteusX**.

![VST Instruments window](image)

The VST Instruments window now looks like this.

7. Take a look at the **Inspector** area on the left side of the Cubase LE project window. The input to the MIDI track is connected to **E-MU Xboard 61**, but the Output is not yet connected to anything. Click on the Output and select **ProteusX**.

![Inspector area](image)

**Tip:** Unlike some VSTi’s, Proteus X is multimbral, and able to play up to 16 MIDI channels at once.

It’s far more CPU-efficient to have multiple MIDI channels playing on one instance of Proteus X rather than to have multiple VSTi’s running.

8. Click the **Edit** button of the VST Instruments window to open Proteus X. You can also click on the **Edit** button of the track **Inspector** to open Proteus X.
Load the Proteus X Composer Bank

9. From the Proteus X File menu, click Open.
10. Locate and load the Proteus X Composer bank, which is located in
    Program Files/Creative Professional/ E-MU Sound Central
    The bank can take a few seconds to load.

Play the Proteus X Composer Bank

11. Click the mini keyboard at the bottom of the window. You should be hearing
    sound. If not, verify that your sound card is properly configured.
12. Play your Xboard and verify that it plays Proteus X.
13. Change the Preset using the preset inc/dec keys.
14. Feel free to play around for awhile and don’t worry about losing anything.
    Nothing is made permanent until you Save the bank, so have fun.

To Record a MIDI Track

1. Make sure the Record Enable button on the MIDI track is on (it should be by
   default).
2. Click Record on the Cubase LE Transport control and start playing your Xboard.
3. Press Stop when you’re finished recording the first track.
4. Press the Return-to-Zero button.
5. Press Play on the Cubase Transport to play back your track.

To Record a MIDI Track on another MIDI Channel

Proteus X VSTi can play back up to 16 MIDI tracks at once. It’s much better to use
several channels on one VSTi than to use multiple VSTi’s with one channel each.
1. From the Project menu, select Add Track, MIDI. Notice that the channel number
   in the Inspector section is now set to chn:2.
2. Select Proteus X as the Output destination in the Inspector section.
3. Click the Edit button of the track Inspector to open Proteus X.
4. Select MIDI Channel 2 using the channel inc/dec keys.
5. Select a Preset on Channel 2. Place the cursor in the preset number field and use
   the up/down arrow keys on your computer keyboard to scroll through the list.
6. When you’re ready, click Record on the Cubase LE Transport and start playing.
7. Click Stop when you’re finished recording, then RTZ (return-to-zero), then Play.
   Proteus X now plays both MIDI channels.

On Your Own

Cubase LE includes excellent online documentation and help files. Take the time to
learn all the features of this powerful program, and most of all have fun.
Running the Proteus X VSTi from Cubase LE