Since Cubase LE is a product provided by Steinberg Media Technologies GmbH, we do not support it.

<u>Please refer to the Cubase LE Help menu (and</u> <u>PDF manual) for information about how to use</u> <u>it.</u>

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Conventions used in this manual

In this manual, we use the following conventions:

- Words that appear on the computer display are shown in quotation marks like this: "OK"
- Additional information is provided as necessary as tips, notes and cautions.

TIP

These are tips about how to use the unit.

NOTE

These provide additional explanations and describe special cases.

CAUTION

Failure to follow these instructions could result in injury, damage to equipment or lost recording data, for example.

Trademarks

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- Microsoft, Windows, Windows XP, Windows 7, and Windows 8 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
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Recording with Cubase LE

The settings in Cubase LE are the same in Windows XP, Windows 7, Windows 8 and Mac OS X.

The screens in the example below are from using a US-144MKII with Windows 7.

Preparation

1. Launch Cubase LE and select "Device Setup..." from the "Devices" menu.

Transport	Devices Window Help	
	MIDI Device Manager	
	Mixer	F3
	Plug-in Information	
	Record Time Max	
	VST Connections	F4
	VST Performance	F12
	Video Player	F8
	Virtual Keyboard	Alt+K
	Show Panel	
	Device Setup	

NOTE

After starting Cubase LE, if the "Project Assistant" dialog appears, click the "Cancel" button at the bottom right to close it.

 Click "VST Audio System" on the left side of the "Device Setup" window. Set the "ASIO Driver" item on the right to "US-122 MKII / US-144 MKII".



3. When the following dialog appears, click the "Switch" button.

ſ	📀 Cub	ase LE 6
	?	Do you want to switch the ASIO driver?
		Switch Keep

The following screen appears.



 Click "US-122 MKII / US-144 MKII" on the left side of the "Device Setup" window and confirm that the "I/O" ports are set to US-144MKII ports. Then, click "OK" to close the window.

	US-122 MKII / US-144 MKII		
Devices	Control Panel	Input Latency: 2.3	08 ms
- MIDI	Hardware Clock Source	Output Latency: 27	292 ms
- 🕌 Transport			
Record Time Max	Externally Clocked		
— 🎍 Video	Direct Monitoring		
Video Player	Ports Reset		
US-122 MKE / US-144 MKE	I/O Port System Name	Show As	Visible State
VST System Link	In US-144 MKII analog in L	US-144 MKII analog in L	 Inactive
	In US-144 MKII analog in R	US-144 MKII analog in R	× Inactive
	In US-144 MKII digital in L	US-144 MKI digital in L	 Inactive
	In US-144 MKII digital in R	US-144 MKI digital in R	× Inactive
	Out US-144 MKII analog out L	US-144 MKI analog out L	 Inactive
	Out US-144 MKII analog out R	US-144 MKII analog out R	× Inactive
	Out US-144 MKII digital out L	US-144 MKI digital out L	 Inactive
	Out US-144 MKII digital out R	US-144 MKI digital out R	× Inactive

5. Select "VST Connections" from the "Devices" menu.

Confirm that the "Device Port" is set to US-144MKII on both the "Input" and "Output" tabs.

Close the dialog after confirming.

VST Connectio	ns - Inputs			
	Add Bus	Presets -		
Bus Name	Speakers	Audio Device	Device Port	
😑 🏟 Stereo In	Stereo	US-122 MKII / US-144 MK		
o Left			US-144 MKII analog in L	
Right			US-144 MKII analog in R	

Inputs page

Outputs page

TIPS

- To use the digital input and output of the US-144MKII as inputs and outputs for Cubase LE 5, add the digital input and output on the Input and Output tabs of the "VST Connections" window.
 - Click the "Add Bus" button.
 - When the following dialog appears, set the Configuration to "Stereo" and the Count to "1" and then click the "OK" button.



The windows should appear as follows and the digital input and output should be available for use.

Inputs Outp	uts			
⊞⊟ All	Add Bus	Presets -	• 🖻 🖻	
Bus Name	Speakers	Audio Device	Device Port	
🗄 🏟 Stereo In	Stereo	US-122 MKII / US-144 MR		
Left			US-144 MKII analog in L	
Right			US-144 MKII analog in R	
😑 Stereo In 2	Stereo	US-122 MKII / US-144 MK		
o Left			US-144 MKII digital in L	
. O Dight			US-144 MKII digital in R	

Inputs page

Inputs Outpu	ts			
E All	Add Bus	Presets -	- = =	
Sus Name	Speakers	Audio Device	Device Port	Click
🖶 🐗 Stereo Out	Stereo	US-122 MKII / US-144 MK		Click
			US-144 MKII analog out	
Right			US-144 MKII analog out	
Stereo Out 2	Stereo	US-122 MKII / US-144 MK		
Left			US-144 MKII digital out L	
			LIS-144 MKIT digital out 6	

Outputs page

• The number of buses that can be used at the same time in Cubase LE is limited. Refer to the Cubase LE Help menu (and PDF manual) for detailed information.

 Select "New Project..." from the "File" menu, and select the template you want from the "Project Assistant" dialog.

👽 Project Assistant	
Recent DECOMPT	Mastering More
Acoustic Guitar + Vocal Use this template to record acoustic guitar with vocals. Connect guitar mic or pick input 2.	kup to input 1. Connect vocal mic to
Clean E-Guitar + Vocal Use this template to record a clean electric guitar with vocals. Connect your guitar input 2.	r to input 1 (Hi-Z). Connect vocal mic to
Distortion Guitar + Vocal Use this template to record a distorted electric guitar with vocals. Connect your gu to input 2.	ultar to input 1 (Hi-2). Connect vocal mic
Piano + Vocal Use this template to record vocals with a plano accompaniment.	
Stereo Acoustic Guitar With the ungline you can after read a guiter with two monophanes, or one in convect the policy right to input 1	nkrophone plus pickup. In this case,
O Use default location: C/Users,/Cubase LE AL Elements Projects	Project folder: Untitled
Prompt for project location	
Open Other	<u>Create</u> Cancel

NOTES

• Depending on the selected template, a "Missing Ports" dialog might appear. If it does, click the word "Unmapped" in the "Mapped Ports" column, and select the port you want to assign from the list that appears.

Missing Ports		10000	COLUMN A
Missing Ports	1/0	Mapped Ports	Map Always
Hicrophone (High Definition 1	In	Unmapped	
Hitrophone High Definition 2	10	Unmapped	

Missing Ports/Unmapped



Missing Ports/selecting from menu



Missing Ports/after port selection

• If you select the "Empty" template from the "More" page, use the "Add Track" item in the "Project" menu to add audio tracks.



TIP

When recording a vocal or an acoustic guitar, for example, with a single microphone, create and record to a mono track. When recording a piano in stereo with two microphones or recording a keyboard or similar device using the stereo line input, create and record to a stereo track.

Recording

 Select the track that you want to record to, and set the input bus in the "Input Routing" field on the left side of the window.



Press the ("Monitor") button if you want to hear the input signal.



2. After you have completed setting the input buses for every track, click the ● ("Record Enable") buttons (making them red) for the tracks that you want to record on.



3. Press the ● ("Record (Pad*)") button in the transport section to start recording.



- 4. When you finish recording, press the

 ("Stop (Pad0)") button, then click the
 ("Record Enable") buttons to turn it off (the button indicator will turn off). Rewind if necessary.
- 5. Repeat steps 1-4 to overdub additional tracks.

Mixdown

1. Move the left and right locators to specify the region that you want to mix down.

* **	Dubase				_				_						
File	e Edit	Project	Audio	MIDI	Media	Transport	Devices	: Windo	w Help						
	Cubes	e LE 6 Pri	oject - U	ntitled	01.cpr										
		(i) (i)	K N	Ð		> •		200	LQX /	140		× 1	# 30	i - 🖬 Bar	
							kHz 24 B								
<					(in) (SI							81	97 1		
	1 Audi	io 01	•0	>1	ns	Audio 01			01		-	-			
				> 2	ns	Audio 02	ζ.	Aud o 02	01						
ľ			0.00	>3	ns	Audio P		Aut o 01	01	-	-			Creation	-
			0.00	≻a	ns	A10 M		Aud 0 64	.01	ر بهندو بالاستار				Canadalana	-
	i Lett († Stereo	Stereo In Out													
				/											
			/												
			. >	0	0	۹×،	9 /	¢۵ 🖇			× #	80	Ť.	III Bar	
			A	obu	01_01										
		_			_										

 From the "File" menu, choose "Export" > "Audio Mixdown".



3. In the "Export Audio Mixdown" dialog box, make the desired settings, then press the "Export" button.



On this screen, set the File Name, Path (location where saved), File Format, Sample Rate, Bit Depth and other attributes of the file to be created.

4. A window like the following appears while the file is being created.

📀 Export Audi	o Mixdown		 X
	50	%	
			Cancel

After the file has been created, press the Close button on the "Export Audio Mixdown" window to close it. The mixdown file is saved according to the settings made in step 3.

Troubleshooting

This chapter answers frequently asked questions related to recording with Cubase LE.

- Q1. I think I have configured the input settings properly, but I see no activity on the audio track's meter.
- A1. Make sure that the Monitor button of the track is enabled.



- Q2. I would like to record two channels simultaneously in stereo.
- A2. Before you record, choose Stereo track(s) or add Audio track(s) as Stereo.

If the project does not have a stereo track, select "Project" menu > "Add track" > "Audio" and create the number of stereo tracks that you need.

Add Audio Track						-	-
	Cou	nt	Configuratio	n	Speakers		
Browse	1	¢	Stereo	•	LR	Add Track Cancel	IJ

When set as a stereo track, "Stereo In" or something similar will appear as the input as shown in the illustration below.



- Q3. I am trying to use the EQ, but it does not seem to do anything.
- A3. Confirm that one or more EQ switches are on in the EQ section for the channel in the Inspector.





EQ ON

- Q4. I tried to mix down a three-minute song, but could mix only ten seconds.
- A4. Make sure that the region specified by the left and right locators is set to three minutes or longer.

- Q5. I cannot set the locator region to more than a certain length.
- A5. From the "Project" menu, choose "Project Setup..." and then change the "Length" field.



Project Setup	×
	Author
	Company
0:00:00:00	Start
0:10:00:00	Length
30 fps 💌	Frame Rate Get From Video
Bars+Beats	Display Format
0:00:00:00	Display Offset
•	Bar Offset
96.000 kHz	Sample Rate
24 Bit 💌	Bit Resolution
Wave File -	Record File Type
Equal Power	Stereo Pan Law
Help	OK Cancel

- Q6. I burned a CD using the WAV file I mixed down, but the speed is obviously different.
- A6. Could the sampling rate of your project be set to 48 kHz? If your ultimate objective is to create a CD, TASCAM recommends that the sampling rate be set to 44.1 kHz from the beginning.

To specify the sampling rate, choose "Project Setup..." from the "Project" menu, then set the sampling rate to "44.100 kHz".



- Q7. I have connected an audio source to the Unit, but cannot hear anything.
- A7. Make sure that the input level of the audio interface is raised appropriately. When a signal is being input, the signal indicator of the audio interface will light up green. Make sure that the monitor (or headphone) level is raised, and that the connections are correct.
- Q8. The sound is distorted.
- A8. Make sure that the signal is not overloading. If the signal is analog, the ideal level is when the overload indicator lights up red occasionally.