



# MOTIF XS Extension/ MOTIF-RACK XS Extension Owner's Manual

## Table of Contents

About MOTIF XS Extension/MOTIF-RACK XS Extension.....	2
What Extension can do .....	2
■ Auto setting of Audio Driver.....	2
■ Auto settings of Remote Device .....	3
■ Project templates with Input/ Output Bus settings .....	3
■ Song import from MOTIF XS6/7/8 .....	5
Troubleshooting.....	6

## SPECIAL NOTICES

- The software and this manual are the exclusive copyrights of Yamaha Corporation.
- Please read carefully the Software Licensing Agreement at the end of “MOTIF XS Extension/MOTIF-RACK XS Extension Installation Guide” before installing the application.
- Copying of the software or reproduction of this manual in whole or in part by any means is expressly forbidden without the written consent of the manufacturer.
- Yamaha makes no representations or warranties with regard to the use of the software and documentation and cannot be held responsible for the results of the use of this manual and the software.
- For information about the latest information of MOTIF XS Extension/MOTIF-RACK XS Extension, check the web site below.  
<http://www.yamahasyth.com/download/>
- The illustrations and LCD screens as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- This product incorporates and bundles computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. **DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.**
- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- Cubase is the registered trademarks of Steinberg Media Technologies GmbH..
- Windows is the registered trademarks of Microsoft® Corporation.
- Apple, Mac and Macintosh are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.
- Future upgrades of application and system software and any changes in specifications and functions will be announced separately. For more information, refer to the following URL.  
<http://www.yamahasyth.com/>

## About MOTIF XS Extension/MOTIF-RACK XS Extension

“MOTIF XS Extension/MOTIF-RACK XS Extension (Extension)” is a set of program plug-ins and project templates developed by Yamaha to enhance the functions of Steinberg DAW software. Simply by installing Extension and connecting the MOTIF XS series (MOTIF XS6/7/8 and MOTIF-RACK XS) to your computer via an IEEE1394 cable, you can take advantage of various features which enable you to link the Steinberg DAW such as Cubase with the MOTIF XS series.

This manual covers situations when connecting the MOTIF XS series to a computer to which Cubase 5/Cubase 4/Cubase Studio 5/Cubase Studio 4/Cubase Essential 4/Cubase AI 4 and Extension have already been installed. Keep in mind that you will need a USB storage device or you will need to connect the MOTIF XS to a computer via ETHERNET when using the Song Import feature.

### NOTE

- The optional mLAN16E2 should be installed to the MOTIF XS6, MOTIF XS7 or MOTIF-RACK XS when using the features (except for “Song Import”) enabled by installing Extension. This manual assumes that the mLAN16E2 has been already installed to the MOTIF XS6, MOTIF XS7 or MOTIF-RACK XS.
- The version of Cubase 4 should be 4.5.2 or higher for using the Song Import feature.

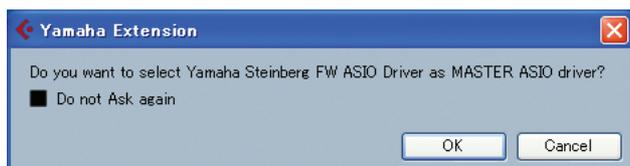
## What Extension can do

Simply by installing Extension, you can utilize the following features when combining Cubase 5/Cubase 4/Cubase Studio 5/Cubase Studio 4/Cubase Essential 4/Cubase AI 4 with the MOTIF XS series.

- Auto setting of Audio Driver
- Audio/MIDI Port with device name
- Auto settings of Remote Device (MOTIF XS6/7/8 only)
- Project templates with Input/Output Bus settings
- Song Import from MOTIF XS6/7/8

### ■ Auto setting of Audio Driver

With Extension installed, you can set the Audio Driver of Cubase to the Yamaha Steinberg FW Driver by clicking [OK] on the following popup dialog box that appears when starting Cubase.



### NOTE

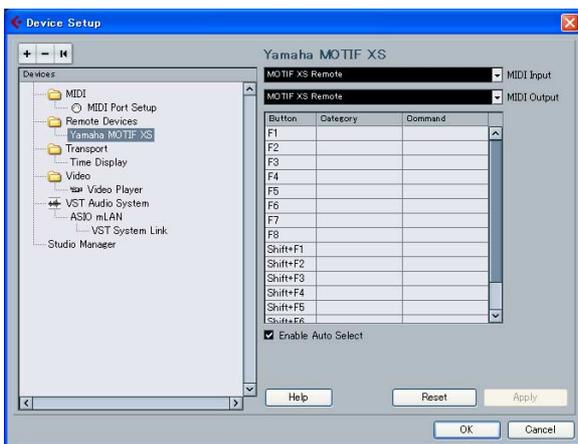
- Before starting Cubase, connect the MOTIF XS series device to a computer via an IEEE1394 cable then turn on the power of the MOTIF XS series to properly enable this feature.

## ■ Auto settings of Remote Device

With MOTIF XS Extension installed, the MOTIF XS connected to a computer via an IEEE1394 cable will be registered as the Remote Device of Cubase. Also, the detailed settings such as MIDI Ports will be set automatically. You can confirm these points by selecting [Devices] → [Device Setup] to call up the Device Setup dialog box.

For details about function assignments, refer to the Owner's Manual and Data List 2 of the MOTIF XS.

The MOTIF-RACK XS cannot be set as a Remote Device.



The Remote Device name shown in Cubase and the MIDI Port name are as follows:

**Remote Device name** : Yamaha MOTIF XS  
**MIDI In and Out Port name** : MOTIF XS6/7/8 Remote

### NOTE

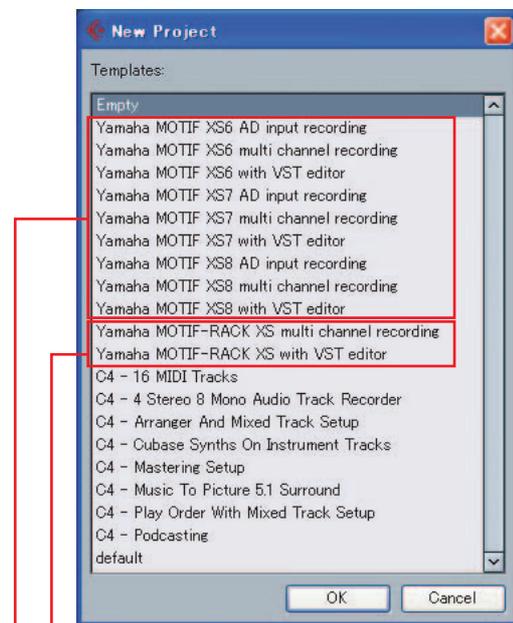
- Even if the MIDI Port is changed, it will be reset to the above one when Cubase is restarted.
- The Remote Control function is available also when the MOTIF XS is connected to a computer via a USB cable. In this case, click [+] from the Device Setup window to call up the Device List, and then select "Yamaha MOTIF XS6/7/8." You will also need to set the MIDI Ports manually in this case.

## ■ Project templates with Input/Output Bus settings

With Extension installed, convenient Project templates for the MOTIF XS and MOTIF-RACK XS will be installed to Cubase. Each of these templates includes the appropriate settings for the Input/Output buses of the VST Connection, meaning that you can start multi-channel recording or AD input recording smoothly by selecting one of the templates to create a new Project, without having to set Audio Ports and Buses manually.

### NOTE

- Set the AD Output of the MOTIF XS series to "m13&14" by using the Editor or instrument so that the setup of the Project Template is equivalent to the setup of the MOTIF XS.
- Selecting a different Project Template will overwrite the current settings of the Input/Output buses.



Project templates for MOTIF-RACK XS

Project templates for MOTIF XS6/7/8

## Project templates for MOTIF XS6/7/8

### • Yamaha MOTIF XS multi channel recording

When this template is selected, audio outputs from respective channels of the MOTIF XS will be input to the respective audio tracks of Cubase simultaneously.

The correspondences between the Input/Output Buses and Device Port on the VST connection window are as follows:

Cubase Inputs	
Input Bus	Device Port
MOTIF XS Main	MOTIF XS6(7,8) Main L
	MOTIF XS6(7,8) Main R
MOTIF XS 1/2	MOTIF XS6(7,8) 1
	MOTIF XS6(7,8) 2
MOTIF XS 3/4	MOTIF XS6(7,8) 3
	MOTIF XS6(7,8) 4
MOTIF XS 5/6	MOTIF XS6(7,8) 5
	MOTIF XS6(7,8) 6
MOTIF XS 7/8	MOTIF XS6(7,8) 7
	MOTIF XS6(7,8) 8
MOTIF XS 9/10	MOTIF XS6(7,8) 9
	MOTIF XS6(7,8) 10
MOTIF XS 11/12	MOTIF XS6(7,8) 11
	MOTIF XS6(7,8) 12
MOTIF XS AD in	MOTIF XS6(7,8) 13
	MOTIF XS6(7,8) 14

Cubase Outputs	
Output Bus	Device Port
MOTIF XS Main	MOTIF XS6(7,8) Main L
	MOTIF XS6(7,8) Main R
MOTIF XS Asgn	MOTIF XS6(7,8) Asgn L
	MOTIF XS6(7,8) Asgn R
MOTIF XS FW	MOTIF XS6(7,8) FW L
	MOTIF XS6(7,8) FW R

### • Yamaha MOTIF XS AD Input recording

When this template is selected, audio signals from the A/D Input channel of the MOTIF XS will be input to an audio track of Cubase. This template is convenient when using the MOTIF XS as an external instrument of Cubase. The correspondences between the Input/Output Buses and Device Port on the VST connection window are same as the above table with the exception that only “MOTIF XS AD in” is available as the Input Bus.

### • Yamaha MOTIF XS with VST Editor

When this template is selected, the MOTIF XS Editor VST is automatically set into the “VST Instruments” in Cubase.

#### NOTE

- MOTIF XS Editor VST is available on the below URL.  
<http://www.yamahasynt.com/download/>

## Yamaha MOTIF-RACK XS multi channel recording

When this template is selected, audio outputs from respective channels of the MOTIF-RACK XS will be input to the respective audio tracks of Cubase simultaneously.

The correspondences between the Input/Output Buses and Device Port on the VST connection window are as follows:

Cubase Inputs	
Input Bus	Device Port
RACK XS Main	MOTIF-RACK XS Main L
	MOTIF-RACK XS Main R
RACK XS 1/2	MOTIF-RACK XS 1
	MOTIF-RACK XS 2
RACK XS 3/4	MOTIF-RACK XS 3
	MOTIF-RACK XS 4
RACK XS 5/6	MOTIF-RACK XS 5
	MOTIF-RACK XS 6
RACK XS 7/8	MOTIF-RACK XS 7
	MOTIF-RACK XS 8
RACK XS 9/10	MOTIF-RACK XS 9
	MOTIF-RACK XS 10
RACK XS 11/12	MOTIF-RACK XS 11
	MOTIF-RACK XS 12
RACK XS 13/14	MOTIF-RACK XS 13
	MOTIF-RACK XS 14

Cubase Outputs	
Output Bus	Device Port
RACK XS Main	MOTIF-RACK XS Main L
	MOTIF-RACK XS Main R
RACK XS Asgn	MOTIF-RACK XS Asgn L
	MOTIF-RACK XS Asgn R
RACK XS FW	MOTIF-RACK XS FW L
	MOTIF-RACK XS FW R

### • Yamaha MOTIF-RACK XS with VST Editor

When this template is selected, the MOTIF-RACK XS Editor VST is automatically set into the “VST Instruments” in Cubase.

#### NOTE

- MOTIF-RACK XS Editor VST is available the below URL.  
<http://www.yamahasynt.com/download/>

## ■ Song import from MOTIF XS6/7/8

With MOTIF XS Extension installed, Song data recorded to the tracks of the MOTIF XS6/7/8 can be imported to a Project in Cubase on your computer. Keep in mind that audio data included in the song as well as MIDI events can be imported while the Mixing setup cannot be imported. Song data of the MOTIF-RACK XS can not be imported.

Follow the instructions below:

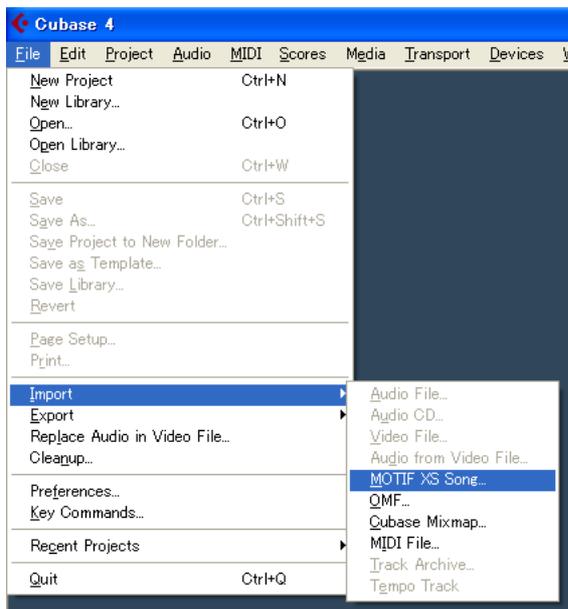
- 1** In the File mode of the MOTIF XS, save all user data created on the MOTIF XS (with the File Type set to “All”) to the USB storage device connected to the USB TO DEVICE connector. Next, remove the USB storage device from the MOTIF XS, and then insert it to the USB connector of the computer.

The file with the extension “.X0A” will be saved to the USB storage device.

If the MOTIF XS and your computer are connected to the same Ethernet network, you can save the data (the file with the extension “.X0A”) to the hard disk drive of your computer.

- 2** On your computer, select [File] → [Import] → [MOTIF XS Song...].

The “Import MOTIF XS Song” dialog box appears.



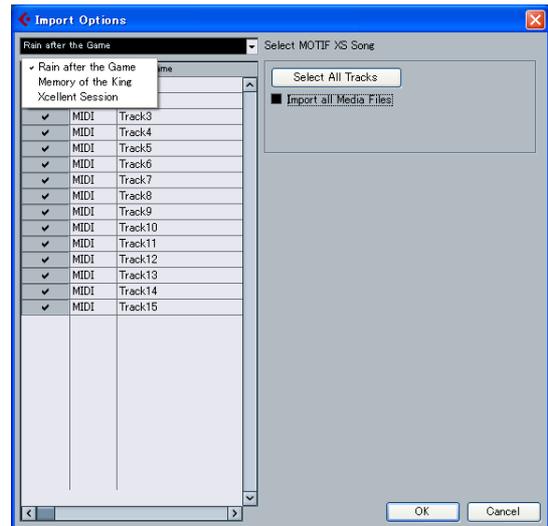
- 3** From the “Import MOTIF XS Song” dialog box, select the file saved in step 1 above, and then click [Open].

The “Select directory” dialog box appears.

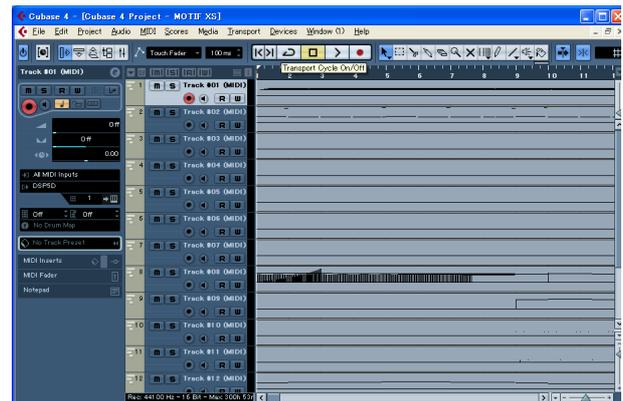
- 4** From the “Select directory” dialog box, select the destination folder to which the project file of Cubase is to be saved, then click [OK].

The “Import Options” dialog box appears.

- 5** From the “Import Options” dialog box, select the song and track(s) to be imported, then click [OK].



Select the song to be imported from the pull-down menu at the top of this dialog box, then select the specific tracks of the selected song. If you want to import the entire song, click [Select All Tracks]. After selecting a song and tracks, click [OK] to execute the actual Import operation. After completing the Import operation, each track data of the selected song will be imported to each track in the project file of Cubase.



## How the MOTIF XS song is to be imported

### About the imported file and project

- Keep in mind that only the “All” type (file extension: X0A) can be imported to a Cubase project.
- The sample rate of the project created via the Song Import will be set to 44.1 kHz, meaning that the Sample Voice created on the MOTIF XS via a sample rate other than 44.1 kHz will not play via the correct pitch in the Cubase project. If you want to import a song with a Sample Voice, make sure to set the sample rate to 44.1 kHz before performing the Sampling operation.

### About MIDI Tracks

- The MIDI tracks in the MOTIF XS song will be imported to a project as MIDI tracks. Each track of the project will be assigned the same MIDI Transmit Channel as that on the original MOTIF XS song.
- The track using Voices that contains User Waveforms obtained in the Voice/Performance mode via the Sampling function is imported as a MIDI track. In other words, the track which does not use a Sample Voice will be imported as a MIDI track.
- The Mixing setup of the MOTIF XS song will not be imported, resulting that the Volume and Pan of each MIDI track are set to “Off” when the song is imported.

### About Audio Tracks

- The Audio track (including the Program Change which specifies the Sample Voice) in the MOTIF XS song will be imported to a project as the Audio track.
- The Mixing setup will not be imported, resulting that all the Volume values are set to 0 dB, all the Pan values are set to “C” and all the EQ shapes are reset to flat in the Audio track when the song is imported.
- Among all the Samples comprising a Waveform assigned to a Sample Voice used by the MOTIF XS song, only the Samples of the Key Bank including the note number recorded to the track will be imported to a Project when the box of “Import all Media Files” is not checked. If you want to import all the Samples, check the box “Import all Media Files.”

### Others

- The Song Import function supports only the data recorded to each track of the MOTIF XS song. Note that the Mixing setup will not be imported to a Cubase project. If you want to apply the Mixing setup to the MOTIF XS, use the MOTIF XS Editor within Cubase. Start Studio Manager, followed by the MOTIF XS Editor within Cubase. Next, open the “All” type file (extension: X0A), select the song same as that selected when executing the Song Import, and then execute the Sync function.
- The Song Import function does not support Pattern data and Arpeggio data.
- Song data imported to a Project cannot be exported back to the MOTIF XS.

## Troubleshooting

### ■ Cannot control Cubase from the MOTIF XS panel

- Make sure that the MOTIF XS is properly connected to the computer via an IEEE1394 cable.
- Confirm the version of Cubase installed to your computer. Versions older than 4 such as Cubase SX3 does not support the Remote Control function of the MOTIF XS .
- Confirm whether or not “Yamaha MOTIF XS” is registered as a Remote Device and “MOTIF XS Remote” has been selected as the MIDI In/Out Port from the Device Setup window called via [Devices] → [Device Setup].

### ■ Cannot find the Project Templates

- Confirm whether or not Extension has been installed properly.
- The Project Template files will be installed to the following path.

#### Windows:

C:\Program Files\Common Files\Steinberg\Project Templates

#### Mac:

/Library/Application Support/Steinberg/Project Templates

### ■ Cannot import a MOTIF XS song

- Make sure to use Cubase of version 4.5.2 or higher.
- If you cannot select a song from the “Import Options” dialog box or you find the imported song does not have any data, the file of “All” type may be saved without storing the recorded song on the MOTIF XS. Make sure to store the recorded song on the MOTIF XS before performing the Save operation.