FM Legacy Converter User Guide

Version 1.0

Table of Contents

Ways to Convert

Supported file types

All file types are compatible with the FM converter tool. However, the file needs to have convertible data (voices) for the tool to convert it. Files without the convertible data would result in an error during conversion.

Most common file types used

- ❖ DXC
  - ➢ DXC is a standard FM Voice file format. DXC files may contain Voices originating from DX7 throughPLG series Plugin boards. They have a ". dxc" file extension.
- ❖ System Exclusive Dump Files
  - ➢ System Exclusive Dump Files contain System Exclusive MIDI data as a binary file. They typically have a ".syx" extension. They should contain the System Exclusive Bulk Dump from the source instrument. Each instrument has its own procedure for performing System Exclusive Bulk Dumps. Please refer to your owner's manual on how to perform a Bulk Dump. Additionally, you will need some way to capture the bulkdump and turn it into a disk file on your Mac or PC. How best to capture Bulk Dumps in your environmentis beyond the scope of this User Guide. Please do an internet search to find the best way for your setup.

Types of content that are converted.

- ❖ DX7
  - ➢ Single Voice export
  - ➢ Packed 32 Voice bulk dump.
- ❖ DX7s and DX7II
  - ➢ Single Voice export
  - ➢ Packed 32 Voice bulk dump.
  - ➢ Additional Voice Data export
  - ➢ Packed 32 Additional Voice Data bulk dump.
  - ➢ Single Performance export
  - ➢ Packed 32 Performance universal bulk dump.
- ❖ TX802
  - ➢ Single Voice export
  - ➢ Packed 32 Voice bulk dump.
  - ➢ Additional Voice Data export
  - ➢ Packed 32 Additional Voice Data bulk dump.
  - ➢ Single Performance export
  - ➢ Packed 32 Performance universal bulk dump.
- ❖ TX816
  - ➢ Single Voice export
  - ➢ Packed 32 Voice bulk dump.
  - ➢ Additional Voice Data export
  - ➢ Packed 32 Additional Voice Data bulk dump.
  - ➢ Single Performance export
  - ➢ Packed 32 Performance universal bulk dump

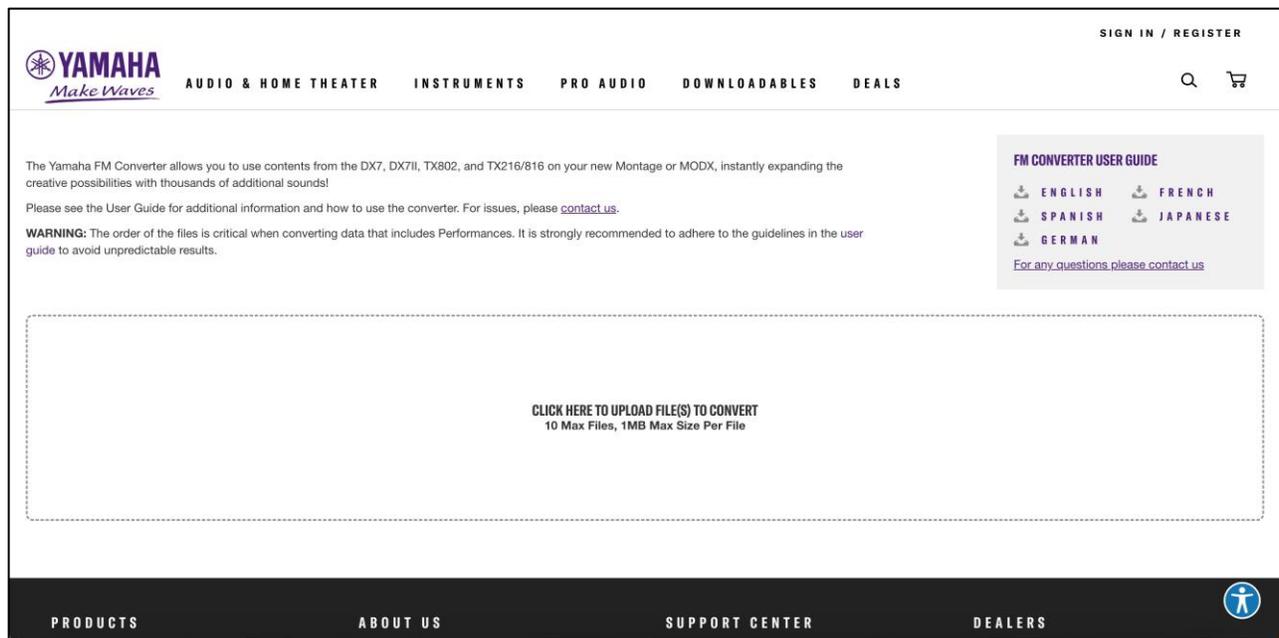*Types of content that are not converted.*

- ❖ System Setup Parameter
- ❖ Micro Tuning Parameter
- ❖ Fractional Key Level Scaling Parameter
- ❖ Performances that use Voices stored on a cartridge.

How to use the tool for file conversion

The Yamaha FM Converter allows Users to use contents from the DX7, DX7II, TX802 and
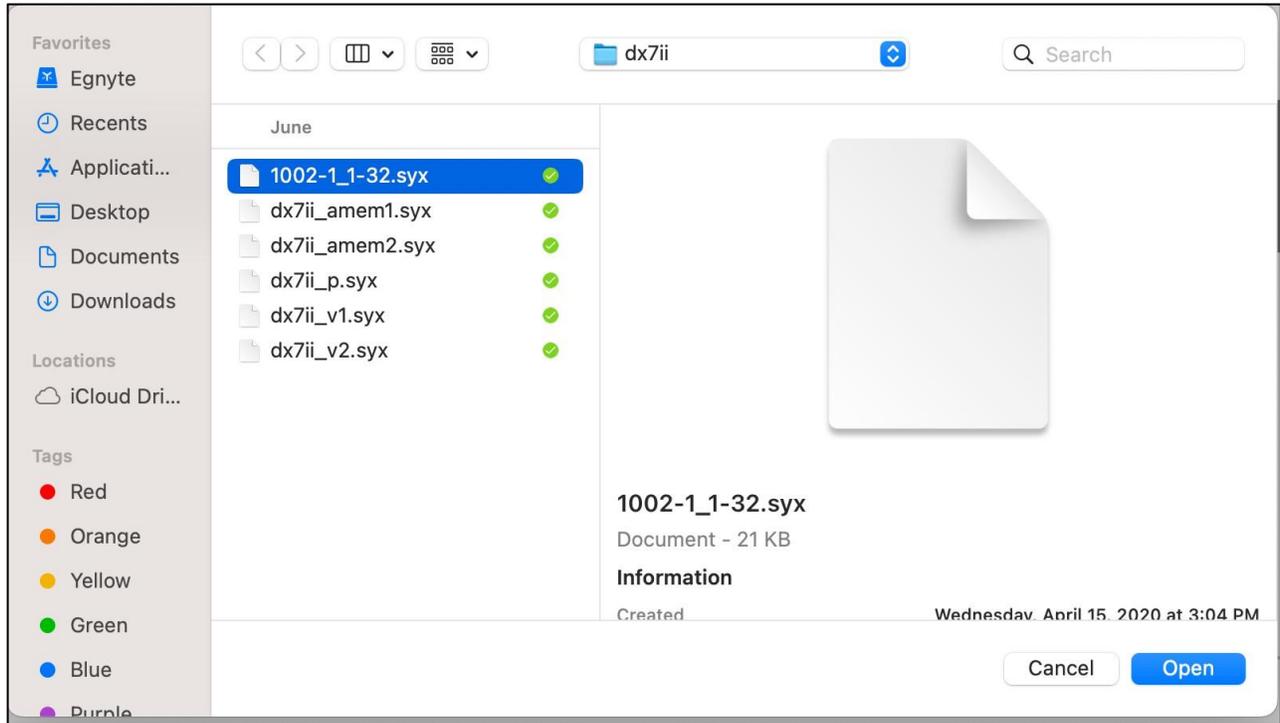
TX216/816 on your new Montage or MODX.

STEP1:

Click the "click here to upload file(s) to convert" option located in the center of the tool to add

files to begin the conversion process.

STEP 2:

A file picker dialog box will be displayed.

STEP 3:

Choose the required files for conversion. The files should have convertible data.

Users can expand the file selections and view the data inside the files. Choose the order of data that would appear in converted file. The Users have an option to check and uncheck data based on their preferences.

Users can view the convert button after adding the necessary files to the tool.

The order of the files is critical when converting data that includes Performances. It is strongly recommended to adhere to the conversion process guidelines mentioned in the User guide to avoid unpredictable results.

Use the toggle option at the top to check/uncheck all the data files simultaneously.

STEP 4:

Use the "Add More" button to add additional files to the tool.
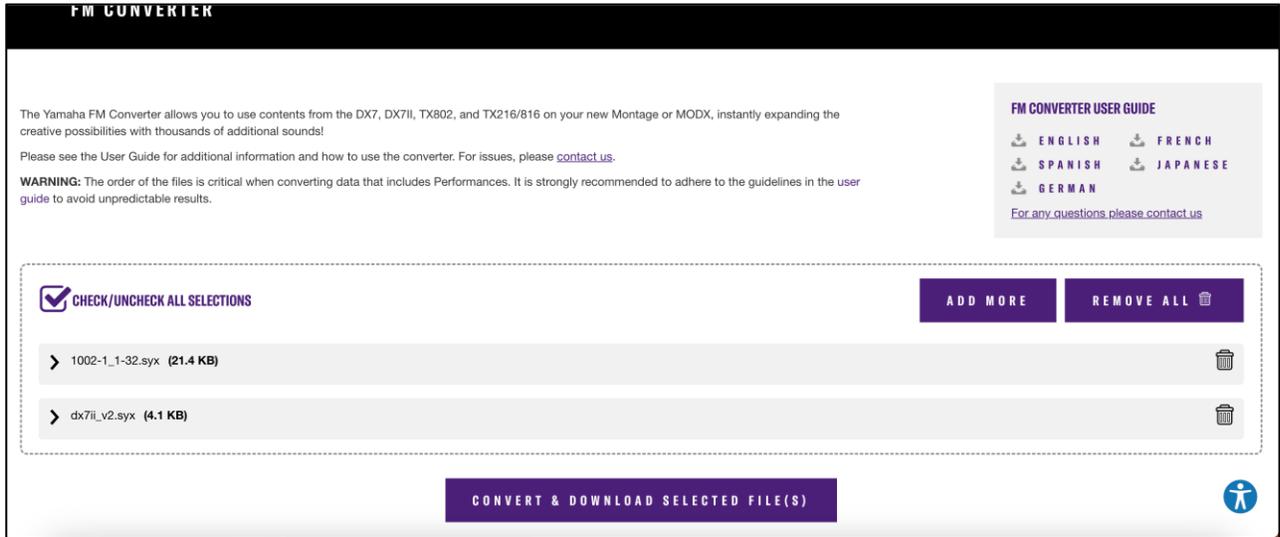
Use the trash icon at the end of the file to remove an individual file or the "Remove all" button to remove all the files from the tool.
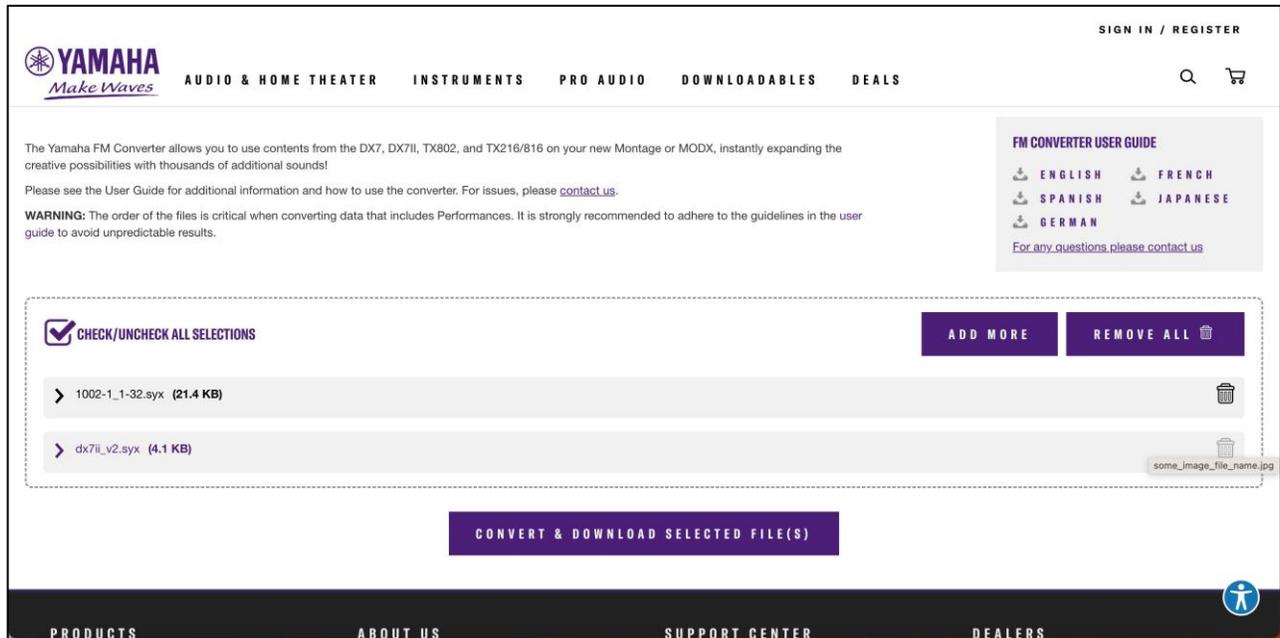
STEP 5:

When the User is ready for the conversion procedure to start, click the 'Convert & Download selected file(s)' option.

When the conversion is successful, a message indicating the download was successful will be displayed.
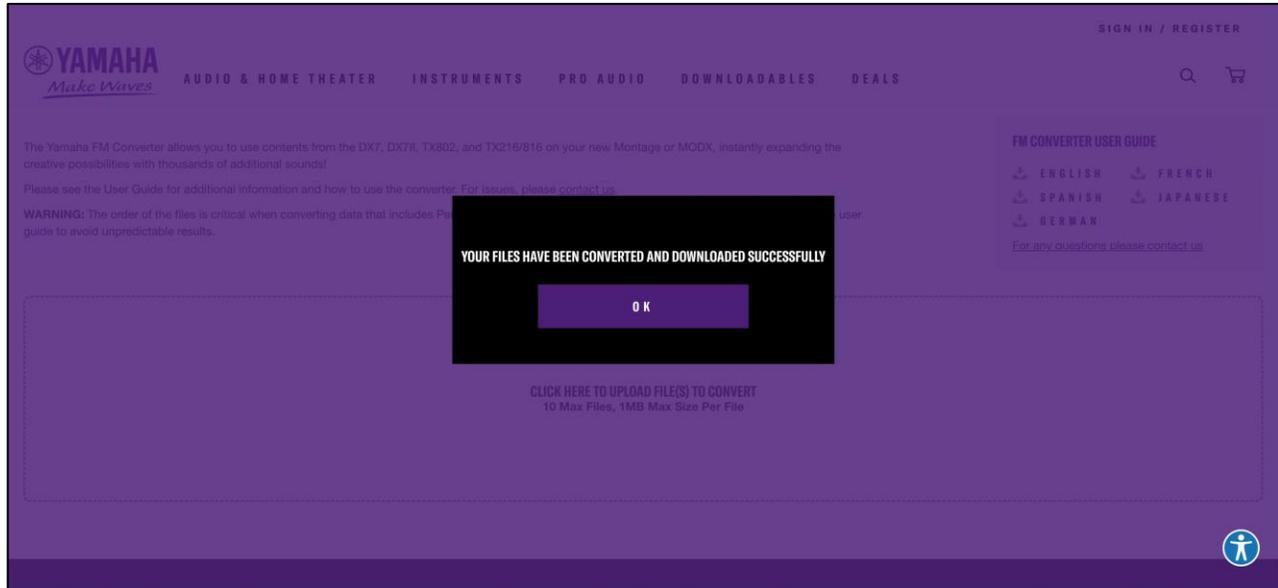
Possible errors messages:

1. File extensions of any kind are acceptable, but convertible data must be included.
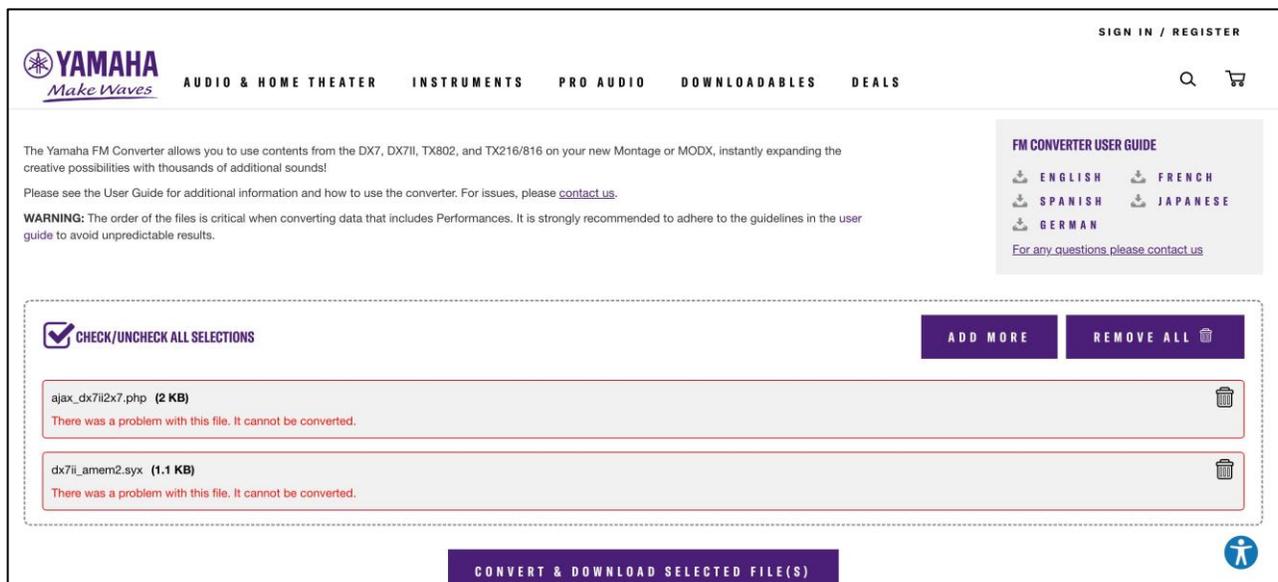
2. Atleast one voice data file must be selected for conversion process.
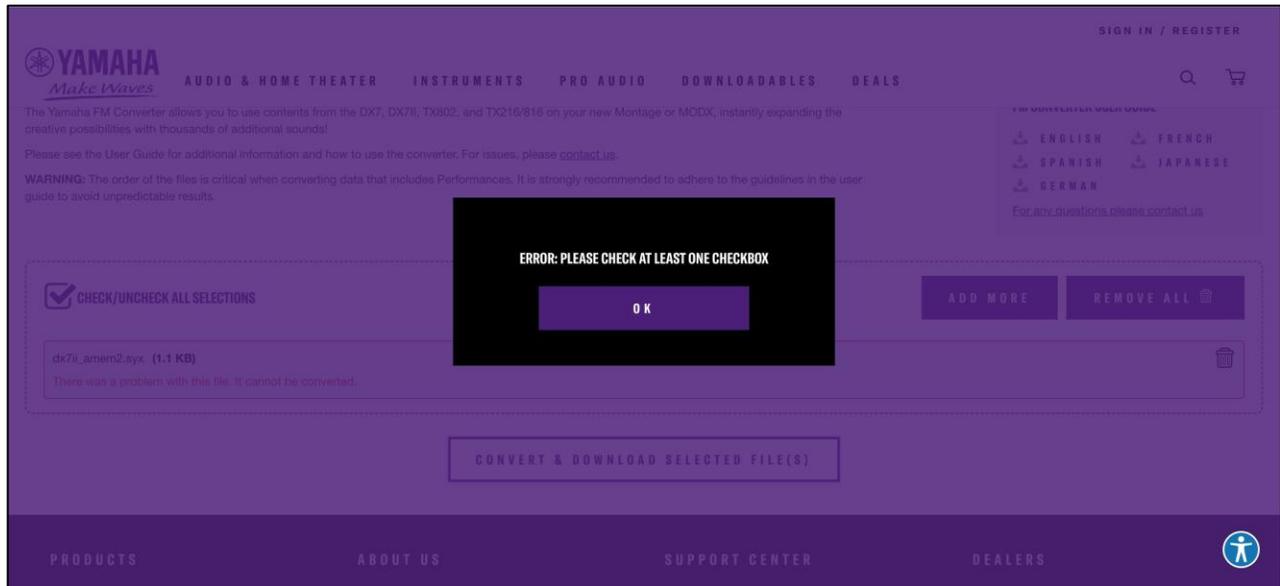
3. Errors would occur if more than 10 files were added to the tool.

4. Errors would occur if each file exceeded the maximum size of 1MB.

SIGN IN / REGISTER

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FM CONVERTER

The Yamaha FM Converter allows you to use contents from the DX7, DX7II, TX802, and TX216/816 on your new Montage or MODX, instantly expanding the creative possibilities with thousands of additional sounds!

Please see the User Guide for additional information and how to use the converter. For issues, please contact us.

WARNING: The order of the files is critical when converting data that includes Performances. It is strongly recommended to adhere to the guidelines in the user guide to avoid unpredictable results.

FM CONVERTER USER GUIDE

⬇ ENGLISH   ⬇ FRENCH
⬇ SPANISH   ⬇ JAPANESE
⬇ GERMAN

For any questions please contact us

☑ CHECK/UNCHECK ALL SELECTIONS   ADD MORE   REMOVE ALL 🗑

High level process workflow- Affiliate approval processV1_EcommEdits v2[54] copy.pdf **(1.9 MB)**   🗑
File is too big (1.86MiB). Max filesize: 1MiB.

CONVERT & DOWNLOAD SELECTED FILE(S)

Questions and issues

For questions regarding the FM converter tool and issues, Users can fill out the 'Contact Us' form to reach out for the necessary support.

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HOW CAN WE HELP?

Get support on the FM Converter directly from Yamaha by submitting this request.

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⬇ SPANISH   ⬇ JAPANESE
⬇ GERMAN

FIRST AND LAST NAME *

EMAIL *

MESSAGE *

Enter 500 Character Limit Message

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SUBMIT QUESTION

User manuals are available in various languages for your convenience. – English, Japanese, German, French and Spanish.

Converting Voices only

- Add a single Voice single or a set of Voices.
- Select which Voices to convert.

Converting Voices and Performances

- Add Packed 32 Voice bulk dump for Voices 1-32
  - Add Additional Voice data export for Voices 1-32 (optional, but recommended for maximum quality)
- Add Packed 32 Voice bulk dump for Voices 33-64
  - Add Additional Voice data export for Voices 33-64 (optional, but recommended for maximum quality)
- Add Packed 32 Performance bulk dump for DX7II, 1-64 for TX802/TX816
- Select which Voices and/or Performances to convert.
- Press Convert

Conversion process rules

- ❖ Voices
  - ➢ The converter will assume the first Voice encountered is Voice #1, the second Voice encountered is Voice#2, etc.
  - ➢ If you are not converting Performance or Additional Voice Data, the order does not matter.
- ❖ Performances
  - ➢ The converter will assume the first Performance encountered is Performance #1.
- ❖ Additional Voice Data
  - ➢ The converter will apply the first Additional Voice data to the first Voice uploaded.
  - ➢ You must upload the associated Additional Voice data in the same ordering as the Voices they apply to.

WARNING: If your conversion includes Performances, you must upload Voice and Performance data in the order above for the resulting Montage Library to sound like the source because Performances only contain numbered references to the Voices that are used in the Performance.

Ex. 1: Performance 1 refers to Voice #1 and Voice #33

If you upload a Voice set with "Horn" as the first Voice, then another Voice set with "Violin" as the first Voice, thePerformance will refer to "Horn" as the first part and "Violin" as the second part.

If you upload a Voice set with "Violin" as the first Voice, then another Voice set with "Horn" as the first Voice, thePerformance will refer to the "Violin" as the first part and "Horn" as the second part.

Ex. 2: Performance 2 "Piano-Violin" uses Voice #1 and Voice #2

If you upload a Voice with "Piano" as the first Voice, then "Violin" as the second Voice, the resulting Performancewill be called "Piano-Violin" that uses the "Piano" and "Violin" Voices.

If you upload a completely unrelated Voice such as "Drums" as the first Voice and "Bells" as the second Voice, theresulting Performance will be called "Piano-Violin" that uses the "Drums" and "Bells" Voices.

Loading the Library

Please refer to your Montage Owner's Manual for instructions on how to load the converted library.

Appendix

Parameters that are converted

- ❖ Voices
  - ➢ Voice Name
  - ➢ EG Rate 1-4
  - ➢ EG Level 1-4
  - ➢ Break Point
  - ➢ Left/Right Depth
  - ➢ Left/Right Curve
  - ➢ Rate Scaling
  - ➢ Modulation Sensitivity
  - ➢ Touch Sensitivity
  - ➢ Total Level
  - ➢ Frequency Mode
  - ➢ Frequency Coarse
  - ➢ Detune
  - ➢ PEG Rate 1-4
  - ➢ PEG Level 1-4
  - ➢ Algorithm Selector
  - ➢ Feedback Level
  - ➢ Osc. Sync.
  - ➢ LFO Speed
  - ➢ LFO Delay Time
  - ➢ Pitch Modulation Depth
  - ➢ Amplitude Modulation Depth
  - ➢ LFO Key Sync
  - ➢ LFO Wave
  - ➢ LFO Pitch Modulation Sense
  - ➢ Transpose
- ❖ Additional Voice Parameter

- OP 1-6 Amplitude Modulation Sensitivity
- Pitch EG Range (8oct, 4oct, 1oct, 1/2oct)
- Pitch EG by Velocity Switch Off/On
- Poly/Mono
- Pitch Bend Range
- Random Pitch Depth
- Portamento Mode Retain/Follow/Fingered/Fulltime
- Portamento Time
- Unison Off/On
- Unison Detune Depth
- ❖ Performances
  - DX7s/DX7II
    - Single
    - Split Point
    - Note Shift Range for Single, Dual, Split (A)
    - Note Shift Range for Split (B)
    - Total Volume
    - Pitch EG Rate 1-4
    - Pitch EG Level 1-4
    - Performance Name
  - TX802
    - Voice Number
    - Detune
    - Note Limit Low
    - Note Limit High
    - Performance Name
  - TX816
    - Performances are not supported.

Parameters that are not converted

- ❖ Voices
  - Operator Enable 1-6
  - Operator Select 1-6
- ❖ Additional Voice Parameter
  - OP 1-6 Scaling Mode Normal/Fractional
  - LFO Key Trigger (delay) single/multi

- Pitch Bend Step
- Pitch Bend Mode Normal/Low/High/Key On
- Portamento Step
- Modulation Wheel Pitch Modulation Range
- Modulation Wheel Amplitude Modulation Range
- Modulation Wheel EG Bias Range
- Foot Control 1 Pitch Modulation Range
- Foot Control 1 Amplitude Modulation Range
- Foot Control 1 EG Bias Range
- Foot Control 1 Volume Range
- Breath Control Pitch Modulation Range
- Breath Control Amplitude Modulation Range
- Breath Control EG Bias Range
- Breath Control Pitch Bias Range
- After Touch Pitch Modulation Range
- After Touch Amplitude Modulation Range
- After Touch EG Bias Range
- After Touch Pitch Bias Range
- Pitch EG Rate Scaling Depth
- Foot Control 2 Pitch Modulation Range
- Foot Control 2 Amplitude Modulation Range
- Foot Control 2 EG Bias Range
- Foot Control 2 Volume Range
- MIDI In Control Pitch Modulation Range
- MIDI In Control Amplitude Modulation Range
- MIDI In Control EG Bias Range
- MIDI In Control Volume Range
- Foot Control 1 Use as CS1 Switch Off/On
- ❖ Performances
  - DX7s/DX7II
    - Micro Tuning Table Select
    - Micro Tuning Key
    - Micro Tuning Switch
    - Dual Detune Depth
    - EG Forced Damp Switch
    - Sustain Foot Switch

- Foot Switch Assign
- Foot Switch
- Soft Pedal Range
- Volume Balance
- Continuous Slider 1-2
- Continuous Slider Assign Switch
- Pan Mode
- Pan Control Range
- Pan Control Assign

- TX802
  - Voice Channel Offset
  - MIDI Receive Channel
  - Output Volume
  - Output Assign
  - Note Shift
  - EG Forced Damp
  - Key Assign Group
  - Micro Tuning Table

- TX816
  - Voice A Poly/Mono
  - Voice A Pitch Bend Step
  - Voice A Pitch Bend Range
  - Voice A Portamento Time
  - Voice A Portamento Mode
  - Voice A Portamento/Glissando
  - Voice A Modulation Wheel Assign
  - Voice A Modulation Wheel Sensitivity
  - Voice A Foot Controller Assign
  - Voice A Foot Controller Sensitivity
  - Voice A After Touch Assign
  - Voice A After Touch Sensitivity
  - Voice A Breath Controller Assign
  - Voice A Breath Controller Sensitivity
  - Voice A Attenuation
  - Voice B Poly/Mono
  - Voice B Pitch Bend Step

- Voice B Pitch Bend Range
- Voice B Portamento Time
- Voice B Portamento Mode
- Voice B Portamento/Glissando
- Voice B Modulation Wheel Assign
- Voice B Modulation Wheel Sensitivity
- Voice B Foot Controller Assign
- Voice B Foot Controller Sensitivity
- Voice B After Touch Assign
- Voice B After Touch Sensitivity
- Voice B Breath Controller Assign
- Voice B Breath Controller Sensitivity
- Voice B Attenuation
- Voice Memory Select
- Key Assign Mode
- Performance Name