

# **Previous TOOLS for UR-C / URX-C**

## **for Mac version information**

### **V3.1.0 to V3.2.0**

- Changed the system requirements.

### **Steinberg UR-C Applications**

V3.1.0 to V3.2.0

- Updated the bundled firmware.

### **Steinberg dspMixFx UR-C**

V3.1.0 to V3.2.0

- Updated the bundled firmware.

### **Basic FX Suite**

V2.1.0 to V3.0.0

- AU and AAX plug-ins now work properly in native environment for Mac computers with Apple silicon.

Common to all plugins

- Now supports Steinberg Licensing.

## **Legacy Updates**

### **V3.0.0 to V3.1.0**

- Updated and enhanced the Pitch Fix.

The main fixes and enhancements for each program are explained below.

### **Yamaha Steinberg USB Driver**

V3.1.6 to V3.1.7

- Added compatible models.

## Steinberg UR-C Applications

V3.0.0 to V3.1.0

- Updated the Pitch Fix.
- Updated the bundled firmware.

## Steinberg dspMixFx UR-C

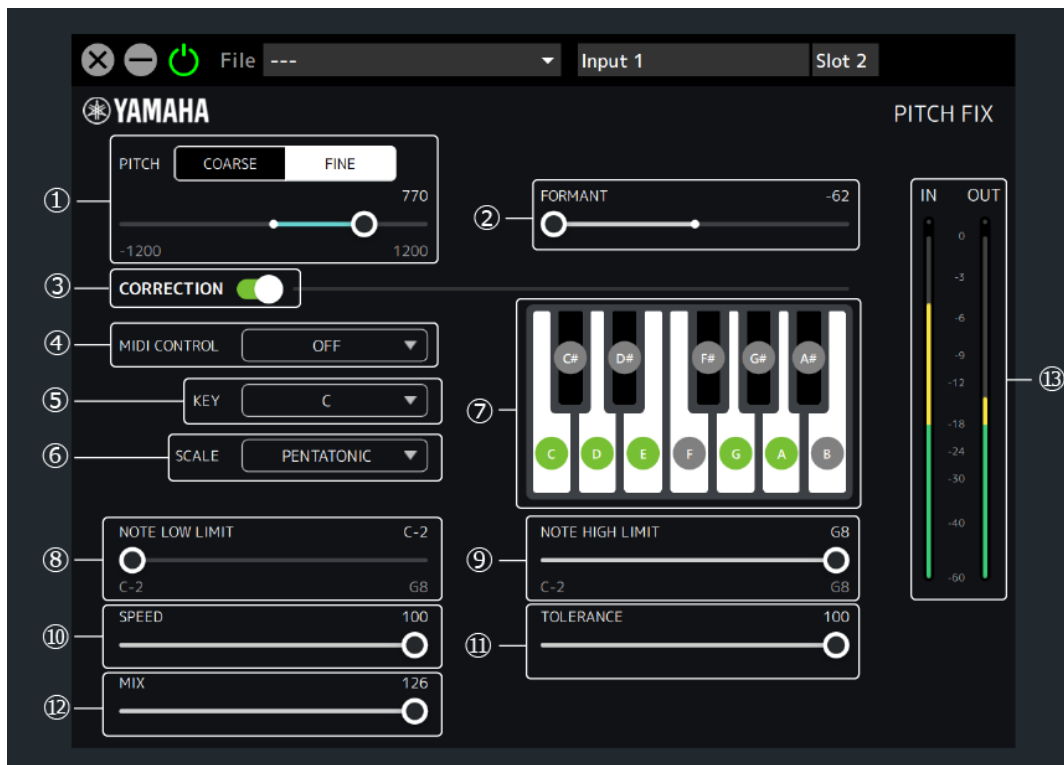
V3.0.0 to V3.1.0

- The following updates have been made to Pitch Fix. For details, please refer to "[PITCH FIX Screen \(V3.1.0\)](#)".
  - Now you can adjust the pitch correction in units of either semitones or cents (detailed setting).
  - Now pitch correction can be turned ON/OFF.
  - Added two parameters: "SPEED" and "TOLERANCE".
  - Changed the layout to better reflect the relationships between parameters.
- Solved some minor problems.

## PITCH FIX Screen (V3.1.0)

In this section, we will explain the PITCH FIX screen, including the changes that come with this version upgrade.

Blue text: Functions that have changed from the previous version (V3.0.0).



① **PITCH**

Adjusts the pitch within a range of one octave up or down. Select the pitch adjustment unit from COARSE (semitones) or FINE (cents).

Range:

- When COARSE is selected: -12 – +12 (semitones)
- When FINE is selected: -1200 – +1200 (cents)

② **FORMANT**

Adjusts the formants. A low value gives a masculine voice quality, and a high value gives a feminine voice quality.

Range: -62 – +62

③ **CORRECTION**

Turns the function to correct to the specified scale ON/OFF. When CORRECTION is OFF, parameters ④ and after are unavailable.

④ **MIDI CONTROL**

Uses MIDI note messages to set the scale correction. It supports both the MIDI IN connector on the main unit and USB MIDI.

Setting	Description
OFF	The MIDI setting function is disabled.
SETTING	<p>In this setting, ⑥ SCALE can be set to CUSTOM or anything other than CHROMATIC. If CHROMATIC is selected as SCALE already, it will be changed to CUSTOM.</p> <ul style="list-style-type: none"><li>● When SCALE is set to CUSTOM: The scale is specified instead of using the ⑦ Keyboard buttons. When a Note On message of the same scale as the specified scale is received, the specified scale will be cancelled. Also, this sets ⑧ NOTE LOW LIMIT/⑨ NOTE HIGH LIMIT to the range of the entered scale. Note Off is not supported.</li><li>● When SCALE is not set to CUSTOM: The key of the last note entered is set to the ⑤ KEY.</li></ul>
REAL TIME	Specifies the scale correction in real time using Note On/Off. In this setting, ⑥ SCALE can be set to CUSTOM or SINGLE. If something other than SINGLE is selected as SCALE already, it will be changed to CUSTOM.

	<ul style="list-style-type: none"> <li>● When SCALE is set to CUSTOM: This specifies all of the scales with Note On.</li> <li>● When SCALE is set to SINGLE: This specifies the last Note On scale.</li> </ul>
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⑤ **KEY**

⑥ **SCALE**

Select Key and Scale to specify the scale to be corrected. The specified scale is reflected in the ⑦ Keyboard buttons.

KEY Range: C, C#, B, ..., A#, B

SCALE Setting: CUSTOM, SINGLE, MAJOR, NATURAL MINOR, HARMONIC MINOR, MELODIC MINOR, PENTATONIC, CHROMATIC

⑦ **Keyboard buttons**

The selected ⑤ KEY and ⑥ SCALE are displayed. You can select the sound to be corrected by operating the Keyboard buttons (SCALE will change to CUSTOM). When ④ MIDI CONTROL is set to SETTING or REAL TIME, the Keyboard buttons cannot be operated.

⑧ **NOTE LOW LIMIT**

⑨ **NOTE HIGH LIMIT**

Specifies the upper and lower limits of the input pitch to be corrected.

Range: C-2, C#-2, ..., F#8, G8

HINT

- For example, if you want to always correct the scale from C3 to B3 even if the octave of the input sound is different, set NOTE LOW LIMIT to C3 and NOTE HIGH LIMIT to B3.
- If none of the Keyboard buttons in the range are turned on, no scale correction is performed. For example, this would apply when only F Keyboard button is on, LOW LIMIT is C3 and HIGH LIMIT is E3.

⑩ **SPEED**

Sets the speed at which the input sound is corrected to the target scale.

Range: 0 – 100

⑪ **TOLERANCE**

Sets the sensitivity to pitch changes.

Range: 0 – 100

⑫ **MIX**

Adjusts the volume balance before and after scale correction. The higher the value, the louder the volume after scale correction.

Range: 0 – 126

### ⑬ **Level Meter**

Displays the signal level. The Peak Hold is always ON.

<b>Display Color</b>	<b>Description</b>
Green	Up to -18 dB
Yellow	Up to 0 dB
Red	If Clipped

## **V2.1.0 to V3.0.0**

- Added streaming mix in addition to the mixes that were available as of V2.0.
- Added DSP effects. (Some are available only for streaming mix.)
- Refer to the UR-C V3.0 supplementary manual for details on the new functions.
- Changed the system requirements.

The main fixes and enhancements for each program are explained below.

### **Yamaha Steinberg USB Driver**

V2.1.2/V3.1.3 to V3.1.6

- The UR-C can now be treated as three audio devices.
- Added compatible models.
- Solved some minor problems.

### **Steinberg UR-C Applications**

V2.1.0 to V3.0.0

- Mixes can now be created for streaming.
- Added six effects: Pitch Fix, Delay, Gate, Comp, Ducker and Multi-band Comp. (Gate, Comp, Ducker, and Multi-band Comp are exclusive for streaming mix.)
- Updated the bundled firmware.

### **Steinberg UR-C Extension**

V2.1.0 to V3.0.0

- Pitch Fix can now be inserted into input channels.
- In addition to Reverb (Hall, Room, Plate) for REV-X type, Delay can now be set (Reverb or Delay can be selected).

### **Steinberg dspMixFx UR-C**

V2.1.0 to V3.0.0

- Added a mix tab for streaming.
- Added an insert slot for streaming effects in the streaming mix. (Gate, Comp, Ducker, Multi-band Comp can be inserted).
- Pitch Fix can now be inserted into input channels.
- In addition to Reverb (Hall, Room, Plate) for REV-X type, Delay can now be set (Reverb or Delay can be selected).
- Eliminated the Loopback parameter.
- Solved some minor problems.

## **V2.0.0 to V2.1.0**

Now works properly in native environment for Mac computers with Apple silicon.

The main fixes and enhancements for each program are explained below.

### **Yamaha Steinberg USB Driver**

V2.1.2/V3.1.2 to V2.1.2/V3.1.3

- Now works properly in native environment for Mac computers with Apple silicon.
- V2.1.2 will be installed in macOS 10.14, macOS 10.15.
- V3.1.3 will be installed in macOS 11.x, macOS 12.x.

### **Steinberg UR-C Applications**

V2.0.0 to V2.1.0

- Now works properly in native environment for Mac computers with Apple silicon.

### **Steinberg UR-C Extension**

V2.0.0 to V2.1.0

- Now features compatibility with Cubase in native environment for Mac computers with Apple silicon. (Cubase 12 or later is required for proper function in native environment for Mac computers with Apple silicon.)

### **Steinberg dspMixFx UR-C**

V2.0.0 to V2.1.0

- Now works properly in native environment for Mac computers with Apple silicon.

### **Basic FX Suite**

V2.0.0 to V2.1.0

- Now the VST plug-in works properly in native environment for Mac computers with Apple silicon. (A DAW such as Cubase 12 or later is required for proper function in native environment for Mac computers with Apple silicon.)

### **V1.5.1 to V2.0.0**

- Now supports macOS 12.
- Changed the system requirements

The main fixes and enhancements for each program are explained below.

### **Yamaha Steinberg USB Driver**

V2.0.5/V3.0.5 to V2.1.2/V3.1.2

- Solved some minor problems.
- V2.1.2 will be installed in macOS 10.14, macOS 10.15.
- V3.1.2 will be installed in macOS 11.x, macOS 12.x.

### **Steinberg UR-C Applications**

V1.5.1 to V2.0.0

- Added certain functions to Guitar Amp Classics of the DSP effects. Refer to the “Basic FX Suite” section below for the changes.

### **Steinberg UR-C Extension**

V1.5.1 to V2.0.0

- Now displays the hardware settings in MixConsole of Cubase.
- You can now control the hardware channel links from Cubase.

### **Steinberg dspMixFx UR-C**

V1.5.1 to V2.0.0

- Features a firmware update function.

### **Basic FX Suite**

V1.5.1 to V2.0.0

Common to all plugins

- Changed the vendor name to Yamaha. When the vendor name is displayed in the DAW, each plugin is displayed with the name of Yamaha.

#### Guitar Amp Classics

- Implemented a noise gate.
- Implemented a cabinet simulation.
- Now you can set the microphone position to stand inside the cabinet.
- (Native version only) Implemented a MONO/STEREO switch.

### **V1.5.0 to V1.5.1**

- Now supports macOS 11.
- Changed the system requirements.

The main fixes and enhancements for each program are explained below.

#### **Yamaha Steinberg USB Driver**

V2.0.4 to V2.0.5/V3.0.5

- Now supports macOS 11.
- V2.0.5 will be installed in macOS 10.13, macOS 10.14, macOS 10.15.
- V3.0.5 will be installed in macOS 11.

#### **Steinberg UR-C Applications**

V1.5.0 to V1.5.1

- Now supports macOS 11.

#### **Steinberg UR-C Extension**

V1.5.0 to V1.5.1

- Solved a problem in which you could not enter values for plugins other than the last plugin when multiple plugin editors of the same type were opened.

#### **Steinberg dspMixFx UR-C**

V1.5.0 to V1.5.1

- Now supports macOS 11.

#### **Basic FX Suite**

V1.5.0 to V1.5.1

- Solved a problem in which you could not enter values for plugins other than the last plugin when multiple plugin editors of the same type were opened.

## **V1.1.0 to V1.5.0**

- Changed the system requirements (macOS 10.13, 10.14, 10.15).
- Please use the firmware version 1.50 or later.

The main fixes and enhancements for each program are explained below.

### **Yamaha Steinberg USB Driver**

V2.0.3 to V2.0.4

- Fixed a problem in which a port name of UR22C/UR44C/UR24C in Cubase 11 was not displayed correctly.

### **Steinberg UR-C Applications**

V1.1.0 to V1.5.0

- Updated the GUI design of the DSP effects. Refer to the “Basic FX Suite” section below for the changes.

### **Steinberg dspMixFx UR-C**

V1.1.0 to V1.5.0

- Added a new Voice Chat mode to the Loopback function of the UR-C hardware to optimize use with chat applications.

### **Basic FX Suite**

V1.1.2 to V1.5.0

Common to all plugins

- Refined the GUI designs, and were compatible with HiDPI, ensuring improved visibility on high-resolution monitors.
- Basic FX Suite is now compatible with AAX Native. You can use the plug-ins with Pro Tools.
- More than 75 presets are now available in Basic FX Suite.
- Implemented INPUT/OUTPUT meters for each plug-in.

Sweet Spot Morphing Channel Strip

- (Native version only) Featured a spectrum view of the EQ graph.
- Now includes convenient independent On/Off switches for each EQ band.
- Now includes a convenient On/Off switch for the side chain filter.
- Implemented a side chain meter.
- Integrated the separate plug-ins for the Stereo and Mono channels.

### **V1.0.2 to V1.1.0**

- Now supports UR24C.

### **Steinberg UR-C Applications**

V1.0.2 to V1.1.0

- Solved a problem in which display of effect parameters did not match between Cubase and dspMixFx UR-C.

### **Steinberg UR-C Extension**

V1.0.1 to V1.1.0

- Solved a problem in which computer would run slow when Cubase and HALion were used at the same time.

### **V1.0.1 to V1.0.2**

- Now supports macOS 10.15.
- Solved a problem in which Cubase would terminate unusually with Yamaha Steinberg USB Driver V2.0.1.

## **Previous UR44C/UR22C Firmware version information**

### **V3.10 to V3.20**

- Fixed a Pitch Fix bug from V3.10 where subtle or slow pitch changes in the input notes were not corrected to the proper tone of the selected scale.

### **V3.00 to V3.10**

- Added/changed the following functions to the Pitch Fix. For details, please refer to the TOOLS for UR-C V3.1.0 for Windows/Mac Release Notes.
  - Now pitch correction can be turned ON/OFF.

- When MIDI CONTROL is set to SETTING and SCALE is set to CUSTOM, if a Note On message of the same scale as a specified scale is received, the specified scale is cancelled.
- Added the “SPEED” parameter, which sets the speed at which the input sound is corrected to the target scale.
- Added the “TOLERANCE” parameter, which sets sensitivity to pitch changes.
- Fixed a bug in V3.00 whereby MIDI messages larger than 1024 bytes could not be retransmitted correctly to the UR-C's MIDI OUT terminal when received from a computer.

## **V2.01 to V3.00**

Added/changed the functions below. For details, please refer to the UR-C V3.0 Supplementary Manual.

- Added Pitch Fix to the effect types that can be selected for input channel effects.
- Added the streaming mix in addition to the mixes that were available as of V2.0.
- Added the following effects to be applied to the streaming mix.
  - The Gate or Comp effect type can now be inserted for the input channel.
  - The Ducker can now be inserted to the DAW/Music/Voice channels.
  - The Multi-Band Compressor can now be inserted at the streaming mix output stage.
- Added three USB Audio Input/Output functions.

By using with the Yamaha Steinberg USB Driver, the UR-C is now displayed as three audio devices. You can assign playback from multiple applications on your computer to the Music, Voice, and DAW channels to fine-tune the mix.

In the past, the Loopback parameter was used to configure the signals sent to the computer, but now the Streaming, Voice and Input1/2 outputs can be output individually to multiple applications on the computer. With this change, the Loopback parameter has been eliminated.

For the UR44C, the streaming mix is output to Streaming and Mix2 is output to Voice. For the UR22C, the streaming mix is output to Streaming and the Input Mix (mix of only the main unit input) is output to Voice.

This addition is not available when connected to an iPad or iPhone.

Fixed other minor bugs.

## **V2.00 to V2.01**

Fixed a problem causing a delay when synchronizing the UR-C unit's settings to dspMixFx UR-C when it is launched by double-clicking the SCENE file (xxx.UR22C, xxx.UR44C) on a Mac.

## **V1.50, V1.60-V1.62\* to V2.00**

The following functions have been added to the Guitar Amp Classics effects.

- Implemented a noise gate.
- You can now choose from eight types of simulated speaker cabinets.
- You can now select the position of the virtual microphone for placement in front of the cabinet from two types, "Center" or "Edge."

\* V1.60 to V1.62 correspond to some internal part changes and have the same functions as V1.50.

## **V1.01 to V1.50**

- The following functions have been added to the effect.

Sweet Spot Morphing Channel Strip

- Now includes convenient independent On/Off switches for each EQ band.
- Now includes a convenient On/Off switch for the side chain filter.
- Implemented a side chain meter.
- Implemented an INPUT meter.

Guitar Amp Classics

- Implemented an INPUT meter.

REV-X

- Implemented INPUT/OUTPUT meters.

- Added a new Voice Chat mode to the Loopback function of the UR-C hardware to optimize use with chat applications.
- Fixed a bug in which MIDI clock was not output from MIDI OUT of the UR-C unit even if "Send MIDI Clock" was turned on in Cubasis.
- Fixed a bug in which noise was added to the playback sound when switching between Cubasis Background/Foreground when the Cubasis "Background Audio" setting was off.
- Extended the mute time when changing the sample rate. This was done because noise may occur when playing audio from an iPad/iPhone application if the sample rate was changed.
- Fixed a bug in which the dspMixFx UR-C may not be synchronized with the main unit parameters when starting dspMixFx UR-C while inputting MIDI CLOCK from the MIDI terminal.
- Fixed other minor bugs.

## **V1.00 to V1.01**

Fixed a problem in which the analog input/output might not function during startup on the UR44C.

## **Previous UR24C Firmware** **version information**

### **V3.10 to V3.20**

- Fixed a Pitch Fix bug from V3.10 where subtle or slow pitch changes in the input notes were not corrected to the proper tone of the selected scale.

### **V3.00 to V3.10**

- Added/changed the following functions to the Pitch Fix. For details, please refer to the TOOLS for UR-C V3.1.0 for Windows/Mac Release Notes.
  - Now pitch correction can be turned ON/OFF.
  - When MIDI CONTROL is set to SETTING and SCALE is set to CUSTOM, if a Note On message of the same scale as a specified scale is received, the specified scale is cancelled.
  - Added the "SPEED" parameter, which sets the speed at which the input sound is corrected to the target scale.
  - Added the "TOLERANCE" parameter, which sets sensitivity to pitch changes.
- Fixed a bug in V3.00 whereby MIDI messages larger than 1024 bytes could not be retransmitted correctly to the UR-C's MIDI OUT terminal when received from a computer.

### **V2.01 to V3.00**

Added/changed the functions below. For details, please refer to the UR-C V3.0 Supplementary Manual.

- Added Pitch Fix to the effect types that can be selected for input channel effects.
- Added the streaming mix in addition to the mixes that were available as of V2.0.
- Added the following effects to be applied to the streaming mix.
  - The Gate or Comp effect type can now be inserted for the input channel.
  - The Ducker can now be inserted to the DAW/Music/Voice channels.
  - The Multi-Band Compressor can now be inserted at the streaming mix output stage.
- Added three USB Audio Input/Output functions.

By using with the Yamaha Steinberg USB Driver, the UR-C is now displayed as three

audio devices. You can assign playback from multiple applications on your computer to the Music, Voice, and DAW channels to fine-tune the mix.

In the past, the Loopback parameter was used to configure the signals sent to the computer, but now the Streaming, Voice and Input1/2 outputs can be output individually to multiple applications on the computer. With this change, the Loopback parameter has been eliminated.

For the UR24C, the streaming mix is output to Streaming and the Input Mix (mix of only the main unit input) is output to Voice.

This addition is not available when connected to an iPad or iPhone.

Fixed other minor bugs.

## **V2.00 to V2.01**

Fixed a problem causing a delay when synchronizing the UR-C unit's settings to dspMixFx UR-C when it is launched by double-clicking the SCENE file (xxx.UR24C) on a Mac.

## **V1.50 to V2.00**

- The following functions have been added to the Guitar Amp Classics effects.
  - Implemented a noise gate.
  - You can now choose from eight types of simulated speaker cabinets.
  - You can now select the position of the virtual microphone for placement in front of the cabinet from two types, "Center" or "Edge."

## **V1.00 to V1.50**

- The following functions have been added to the effect.

Sweet Spot Morphing Channel Strip

- Now includes convenient independent On/Off switches for each EQ band.
- Now includes a convenient On/Off switch for the side chain filter.
- Implemented a side chain meter.
- Implemented an INPUT meter.

Guitar Amp Classics

- Implemented an INPUT meter.

REV-X

- Implemented INPUT/OUTPUT meters.

- Added a new Voice Chat mode to the Loopback function of the UR-C hardware to optimize use with chat applications.
- Fixed a bug in which MIDI clock was not output from MIDI OUT of the UR-C unit even if "Send MIDI Clock" was turned on in Cubasis.
- Fixed a bug in which noise was added to the playback sound when switching between Cubasis Background/Foreground when the Cubasis "Background Audio" setting was off.
- Fixed a bug in which both sounds (INPUT and DAW, CUE and MASTER) could be heard for a moment regardless of the position of the MIX knob when changing the sample rate or switching between SPLIT/STEREO.
- Fixed other minor bugs.

## **Previous UR816C Firmware**

### **version information**

#### **V3.10 to V3.20**

- Fixed a Pitch Fix bug from V3.10 where subtle or slow pitch changes in the input notes were not corrected to the proper tone of the selected scale.

#### **V3.00 to V3.10**

- Added/changed the following functions to the Pitch Fix. For details, please refer to the TOOLS for UR-C V3.1.0 for Windows/Mac Release Notes.
  - Now pitch correction can be turned ON/OFF.
  - When MIDI CONTROL is set to SETTING and SCALE is set to CUSTOM, if a Note On message of the same scale as a specified scale is received, the specified scale is cancelled.
  - Added the "SPEED" parameter, which sets the speed at which the input sound is corrected to the target scale.
  - Added the "TOLERANCE" parameter, which sets sensitivity to pitch changes.
- Fixed a bug in V3.00 whereby MIDI messages larger than 1024 bytes could not be retransmitted correctly to the UR-C's MIDI OUT terminal when received from a computer.

#### **V2.01 to V3.00**

Added/Changed the functions below. For details, please refer to the UR-C V3.0 Supplementary Manual.

- Added Pitch Fix to the effect types that can be selected for input channel effects.
- Changed the specifications so that Mix4 can be used by switching between the conventional monitor mix and streaming mix (Streaming). When switching to the streaming mix and using it, the following effects are added.
  - The Gate or Comp effect type can now be inserted for the input channel.
  - The Ducker can now be inserted to the DAW/Music/Voice channels.
  - The Multi-Band Compressor can now be inserted at the streaming mix output stage.
- Added three USB Audio Input/Output functions.

By using with the Yamaha Steinberg USB Driver, the UR-C is now displayed as three audio devices. You can assign playback from multiple applications on your computer to the Music, Voice, and DAW channels to fine-tune the mix.

In the past, the Loopback parameter was used to configure the signals sent to the computer, but now the Streaming, Voice and Input1/2 outputs can be output individually to multiple applications on the computer. With this change, the Loopback parameter has been eliminated.

For the UR816C, the streaming mix is output to Streaming and Mix2 is output to Voice.

This addition is not available when connected to an iPad or iPhone.

#### **NOTE**

Since the input and output channels of USB audio have been increased, some Windows PCs cannot set the sample rate to 176.4 kHz and 192 kHz when connected via USB 2.0. Use a USB 3.0 connection or use a sampling rate of 96 kHz or less.

Fixed other minor bugs.

#### **V2.00 to V2.01**

Fixed a problem causing a delay when synchronizing the UR-C unit's settings to dspMixFx UR-C when it is launched by double-clicking the SCENE file (xxx.UR816C) on a Mac.

#### **V1.50 to V2.00**

The following functions have been added to the Guitar Amp Classics effects.

- Implemented a noise gate.
- You can now choose from eight types of simulated speaker cabinets.
- You can now select the position of the virtual microphone for placement in front of the cabinet from two types, "Center" or Edge."

Solved a problem in which the DAW IN meter display of MIX1 and MIX2 of dspMixFx UR-C was abnormal when the sample rate was set to 176.4 kHz and 192 kHz.

### **V1.00, V1.01 to V1.50**

- The following functions have been added to the effect.
  - Sweet Spot Morphing Channel Strip
    - Now includes convenient independent On/Off switches for each EQ band.
    - Now includes a convenient On/Off switch for the side chain filter.
    - Implemented a side chain meter.
    - Implemented an INPUT meter.
  - Guitar Amp Classics
    - Implemented an INPUT meter.
  - REV-X
    - Implemented INPUT/OUTPUT meters.
  
- Added a new Voice Chat mode to the Loopback function of the UR-C hardware to optimize use with chat applications.
- Fixed a bug in which MIDI clock was not output from MIDI OUT of the UR-C unit even if "Send MIDI Clock" was turned on in Cubasis.
- Fixed a bug in which the clock source would always be set to Internal when a PC was started with the UR816C running.
- Fixed a bug in which noise was added to the playback sound when switching between Cubasis Background/Foreground when the Cubasis "Background Audio" setting was off.
- Extended the mute time when changing the sample rate. This was done because noise may occur when playing audio from an iPad/iPhone application if the sample rate was changed.
- Fixed a problem in which the sample rate may change in appearance when trying to change the sample rate by operating the Yamaha Steinberg USB driver control panel during external clock synchronization.
- Fixed other minor bugs.