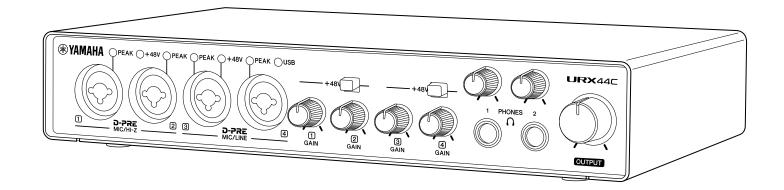


# URX44C

# **USB AUDIO INTERFACE**



User Guide EN

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#### **Main Features**

# 6 x 4 USB 3.0 Audio Interface with 4 x D-PRE and 32-bit/192 kHz support

The URX44C is a 6-in and 4-out USB 3.0 audio interface, featuring four world-renowned D-PRE microphone preamps and supporting 192 kHz and 32-bit audio quality to capture all the subtleties and expressiveness of any audio source.

#### True 32-bit resolution

The URX44C and the Yamaha Steinberg USB Driver support the 32-bit Integer format which can represent audio data in higher resolution compared to Float format. Together with a DAW (such as Cubase) which can fully utilize the 32-bit Integer data, they enable unprecedented audio resolution in your music production.

#### USB 3.0 and USB Type-C™

The URX44C is equipped with a USB Type-C port and features USB 3.0 (USB 3.1 Gen 1) SuperSpeed mode while providing full compatibility with the USB 2.0 High-Speed mode. The USB Type-C connection provides enough bus power to operate the URX44C.

#### dspMixFx

The dspMixFx technology is powered by the latest SSP3 DSP chip and offers latency-free monitoring with highly acclaimed DSP effects, including REV-X reverb, for users of any DAW software.

#### NOTICE

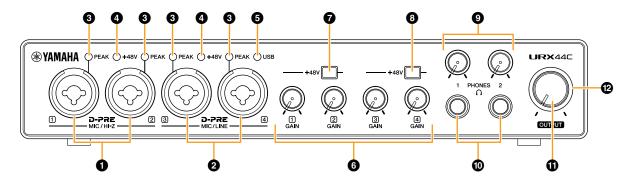
To avoid the possibility of malfunction/damage to the product, damage to data, or damage to other property, follow the notices below.

#### Handling

 Do not expose the product to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings.

#### **Panel Controls and Terminals**

#### **Front Panel**



#### • [MIC/HI-Z 1/2] connectors

For connection to a microphone, electric guitar, or electric bass. This connector can be connected to both XLR-type and phone-type (unbalanced only) plugs. The XLR-type is MIC only and the phone type is HI-Z only.

#### NOTE

- The signal is not input when connecting balanced phone-type plugs.
- The phantom power will be supplied to the XLR connector connected to the [MIC/HI-Z 1/2] connectors

#### ② [MIC/LINE 3/4] connectors

For connection to a microphone or digital instrument. This connector can be connected to both XLR-type and phonetype (balanced/unbalanced) plugs. The XLR type is MIC only and the phone type is LINE only.

#### Plug types





XLR-type (balanced)

Phone-type (unbalanced)

#### Proper use of the HI-Z or LINE inputs HI-Z

Guitar and bass with passive pickups (not battery powered)

#### LINE

- Effect device, preamp, direct box
- Guitar and bass with active pickups (battery powered)
- Digital instruments, such as synthesizer

#### NOTE

The phantom power will be supplied to the XLR connector connected to the [MIC/LINE 3/4] connectors.

#### [PEAK] indicator

Lights up according to the input signal. Lights up when the input signal is 3 dB below the clipping level.

#### Setting optimum recording levels

Adjust the [INPUT GAIN] knobs so that the [PEAK] indicator flashes briefly at the loudest input volume.

#### 4 [+48V] indicator

Lights up when the [+48V] switch (phantom power) is turned on.

#### [USB] indicator

This lights up when the unit is turned on and can communicate with your computer or iOS device. The indicator flashes continuously when the computer or iOS device does not recognize the device.

#### 6 [INPUT 1 to 4 GAIN] knob

Adjusts the input signal level of the [MIC/HI-Z 1/2] connectors and [MIC/LINE 3/4] connectors.

#### 7 [+48V] switch

Turns the phantom power on and off. When you turn this switch on, phantom power will be supplied to the XLR connector connected to the [MIC/HI-Z 1/2] connectors. Turn this switch on if you are using a condenser microphone.

#### (1) [+48V] switch

Turns the phantom power on and off. When you turn this switch on, phantom power will be supplied to the XLR connector connected to the [MIC/LINE 3/4] connectors. Turn this switch on if you are using a condenser microphone.

#### **NOTICE**

When using phantom power, observe the following to prevent noise and possible damage to URX44C or connected equipment.

- Do not connect or disconnect any devices while the phantom power switch is turned to ON.
- Turn the **9** [PHONES] knob and **1** [OUTPUT] knob down all the way before turning phantom power on/off.
- When connecting devices not requiring phantom power to the [MIC/HI-Z 1/2] and [MIC/LINE 3/4] connectors, make sure to turn the phantom power switch to OFF.

#### **NOTE**

When you turn phantom power on/off, the input signal for the connector that's turned on/off is muted for several seconds.

#### **9** [PHONES] knob

Adjusts the output signal level of the [PHONES] connector.

#### 

For connection to a set of stereo headphones. [PHONES 1] outputs the MIX 1 signals. [PHONES 2] outputs the MIX 1 or MIX 2 signals. The output signal for the [PHONES 2] connector can be selected in the master area for dspMixFx UR-C.

#### What is MIX?

MIX refers to the stereo output signals which flow in the device. The input signals to the device flow to each MIX. Refer to the section "Signal Flow" (page 20).

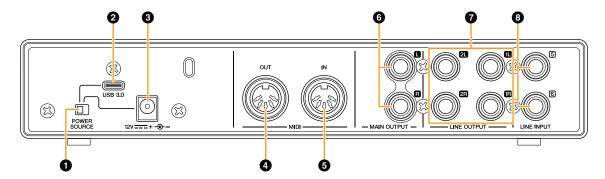
#### 1 [OUTPUT] knob

Adjusts the output signal level of the [MAIN OUTPUT] connectors.

#### **12** POWER indicator

This lights up when the unit is turned on. The indicator flashes when there is a problem with the power supply. If this happens, use an AC adaptor.

#### **Rear Panel**



#### 1 [POWER SOURCE] switch

For selecting the port for supplying power to the URX44C. To supply bus power via the [USB 3.0] port, set this switch to the [USB 3.0] side. To supply power via the [12V DC] port, set this switch to the [12V DC] side. Even if you set the power supply to [12V DC], the power to the URX44C will not come on unless it is connected to a computer or iOS devices by the [USB 3.0] port.

#### **2** [USB 3.0] port

For connection to a computer or iOS device.

#### NOTICE

When connecting to a computer with a [USB 3.0] port, observe the following to prevent the computer from freezing or shutting down, as well as corruption or even loss of data.

- Quit all applications before plugging in or unplugging the USB cable.
- Wait at least six seconds between connecting/ disconnecting the USB cable.

#### NOTE

Apple accessories may be required when connecting the URX44C with iOS devices. For details, refer to the URX44C Setup Guide.

#### **3** [12V DC] port

For connection to the AC power adaptor.

#### 4 [MIDI OUT] connector

For connection to the MIDI IN connector of the MIDI device. Transmits MIDI signals from your computer to your MIDI device.

#### **6** [MIDI IN] connector

For connection to the MIDI OUT connector of the MIDI device. Receives MIDI signals from your MIDI device and transmits them to your computer.

#### NOTE

- Select [Steinberg UR44C-port1] for the MIDI port when using a MIDI connector with an iOS app. Please note that [Steinberg UR44C-port2] is not available.
- Do not activate dspMixFx when using a MIDI device. This may interfere with stable data transmission/reception.

#### 6 [MAIN OUTPUT L/R] connectors

Connect these to your monitor speakers or other audio equipment. Connect phone-type (balanced/unbalanced) plugs to these connectors. This outputs the MIX 1 signals. To adjust the output signal level, use the [OUTPUT] knob on the front panel.

#### [LINE OUTPUT 1L/1R/2L/2R] connectors

For connection to external devices with line level signals. These connectors can be connected to phone-type (balanced/unbalanced) plugs. The [LINE OUTPUT1L/1R] connector outputs the MIX 1 signal and the [LINE OUTPUT 2L/2R] connector outputs the MIX 2 signal.

#### **8** [LINE INPUT 5/6] connectors

For connection to digital instrument or a mixer. These connectors can be connected to phone-type (balanced/unbalanced) plugs. You can select the input signal level of the [LINE INPUT 5/6] connectors between "+4 dBu" and "-10 dBV." Select "+4 dBu" when connecting a professional audio device, and select "-10 dBV" when connecting a consumer device. The default initial setting is "-10 dBV." You can switch the input level on the "dspMixFx UR-C" setup screen.

#### Software

This section explains software operations for using the URX44C with a computer.

#### Yamaha Steinberg USB Driver

Yamaha Steinberg USB Driver is a software program that allows communication between the URX44C and a computer. In Control Panel, you can configure the basic settings for the audio driver (Windows) or confirm the audio driver information (Mac).

#### **How to Open the Window**

#### **Windows**

- From the start menu, select [Yamaha Steinberg USB Driver] → [Control Panel].
- From the Cubase series menu, select [Studio] → [Studio Setup] → [Yamaha Steinberg USB ASIO] → [Control Panel].

Click the upper tabs to select the desired window.

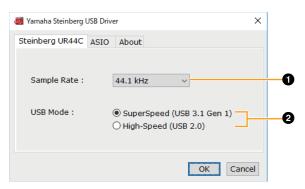
#### Mac

- Select [Application] → [Yamaha Steinberg USB Control Panel].
- From the Cubase series menu, select [Studio] → [Studio Setup] → [Steinberg UR44C DAW (High Precision)] → [Control Panel] → [Open Config App].

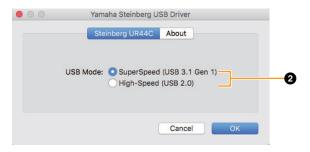
#### **Control Panel**

These windows are for selecting the sample rate and the USB mode.

#### **Windows**



#### Mac



#### Sample Rate

Lets you select the sample rate of the device.

**Settings:** 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz

#### NOTE

The available sample rates may differ depending on the particular DAW you're using.

#### **2** USB Mode

Switches between USB data transfer speeds. The default setting is SuperSpeed (USB 3.1 Gen 1) mode.

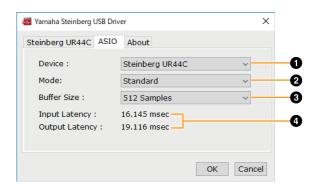
Settings: SuperSpeed (USB 3.1 Gen 1), High-Speed (USB 2.0)

#### **NOTE**

If High-Speed (USB 2.0) mode is used, the data bandwidth will become narrower, but this will not affect the functionality of the URX44C. Other performance values such as latency will not change

#### **ASIO Window (Windows only)**

For selecting the ASIO driver settings.



#### Device

Lets you select the device for use with the ASIO driver. This function is available when connecting two or more devices that are compatible with the Yamaha Steinberg USB Driver to the computer.

#### 2 Mode

Lets you select the latency (delay time) mode.

Settings: Low Latency, Standard, Stable

Sample Rate	Descriptions
Low Latency	This mode features lower latency. A high-performance computer is required for stable data transfer.
Standard	Standard latency mode.
Stable	This mode features higher latency. This setting lets you use this unit for stable data transfer when using lower-performance computers or high-load DAW projects.

#### 8 Buffer Size

Lets you select the buffer size for the ASIO driver. The range varies depending on the specified sample rate. The lower the value of the ASIO buffer size, the lower the value of audio latency.

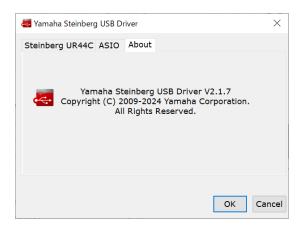
Sample Rate	Range
44.1 kHz / 48 kHz	32 Samples - 2048 Samples
88.2 kHz / 96 kHz	64 Samples - 4096 Samples
176.4 kHz / 192 kHz	128 Samples - 8192 Samples

#### Input Latency/Output Latency

Indicates the latency (delay time) for the audio input and output in millisecond units.

#### **About Window**

Indicates the version and copyright information of the audio driver.



#### How to Select the Sample Rate (Mac)

You can select the sample rate in the [Audio MIDI Setup] window. Select the sample rate from the [Applications]  $\rightarrow$  [Utilities]  $\rightarrow$  [Audio MIDI Setup]  $\rightarrow$  [Format] menu.

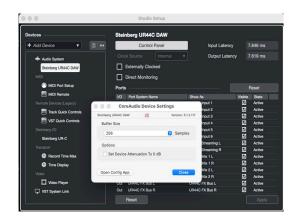


#### How to Select the Buffer Size (Mac)

You can select the buffer size in the settings window for each application (DAW software, etc.).

From the Cubase series menu, select [Studio] → [Studio Setup], then click [Control Panel] in [Steinberg UR44C DAW] or [Steinberg UR44C DAW (High Precision)] in the menu on the left side of the window.

The method for opening the settings window is different for each application.

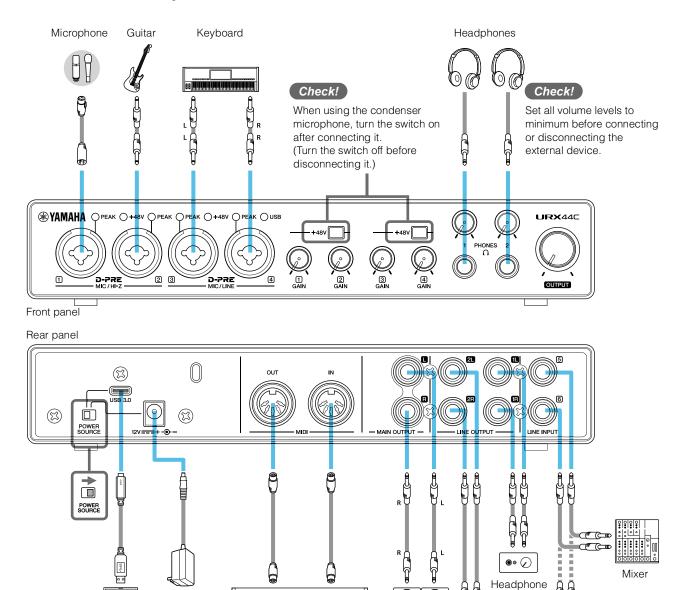


#### Using with 32-bit Integer processing (Mac)

[Steinberg UR44C DAW] or [Steinberg UR44C DAW (High Precision)] is shown in the [ASIO Driver] setting on the Cubase series program. Select [Steinberg UR44C DAW (High Precision)] when processing at 32-bit integer resolutions between Cubase and the driver.

# **Using with a Computer**

## **Connection Example**



#### NOTE

• For bus-powered supply, you will need to connect the USB Type-C connector on a computer to the [USB 3.0] connector with a USB 3.1 Type-C to Type-C cable (commercially available).

speakers

• For the connector type of the computer to be connected to the device, refer to "Computer Connector Types" (page 19).

Synthesizer/MIDI keyboard

AC adaptor

Computer

amp

External device

#### **Computer Settings**

By using with the Yamaha Steinberg USB Driver, the UR-C is handled as 3 audio devices.

#### **For Windows**

You can select Music (Steinberg UR44C), Voice (Steinberg UR44C) and DAW (Steinberg UR44C) as sound output devices and Streaming (Steinberg UR44C), Voice (Steinberg UR44C) and Input 1/2 (Steinberg UR44C) as input devices).



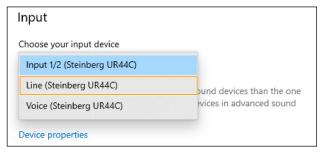


When using a DAW application, etc., a signal feedback loop may occur with the track monitor function, etc., so carefully check the settings of the application you are using.

#### **NOTE**

The input/output device names for sound are the same as with the previous model, and may display as shown below.



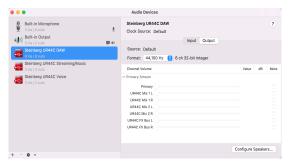


If necessary, change Line to Music or Line to Streaming in the Sound Properties.



#### **For Macs**

Three audio devices can be selected: Steinberg UR44C DAW, Steinberg UR44C Streaming/Music and Steinberg UR44C Voice.



The Audio Devices Screen in Audio MIDI Settings

#### **Configuring Audio Driver Settings** on the DAW Software

#### **Cubase Series Programs**

If Cubase series software is running, quit the application.

#### **NOTE**

On a Mac, if [Steinberg UR44C DAW (High Precision)] is selected, Cubase uses the driver exclusively.

- Turn on the URX44C.
- 3. Confirm the POWER indicator is lit.
- **Double-click the shortcut of Cubase series** on the desktop to start Cubase.
- When the [ASIO Driver Setup] window appears while the Cubase series program is launching, confirm that the device is selected, then click [OK].

When [Steinberg UR44C DAW (High Precision)] is selected on Mac, Cubase will exclusively uses the driver. In this condition, [Steinberg UR44C DAW] cannot be used by other applications.

The audio driver settings are now complete.

#### **Programs other than Cubase Series**

- Make sure that all applications have been closed.
- 2. Turn on the URX44C.
- 3. Confirm that the POWER indicator is lit.
- 4. Launch the DAW software.
- 5. Open the audio interface settings window.
- 6. (Windows only) Select the ASIO Driver for the audio driver settings.
- 7. Set the ASIO Driver for Windows and audio interface for Mac as follows.

#### **Windows**

Set the [Yamaha Steinberg USB ASIO] to the ASIO Driver settings.

#### Mac

Set the UR44C to the audio interface settings.

The audio driver settings are now complete.

#### Recording/Playback

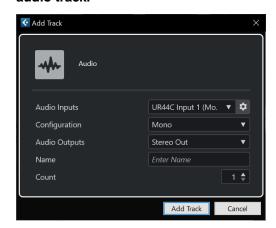
This section explains simple recording operations for using a microphone. Connect a microphone or electric guitar to [MIC/HI-Z 1] connector as shown in the connection examples (page 8). Turn the [+48V] switch on when using a phantom powered condenser microphone.

#### **Cubase Series Programs**

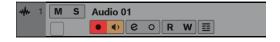
- 1. Launch the Cubase series DAW and display the [Cubase Hub] window.
- Select the template [Empty] in [Recording] on the [steinberg hub] window, then click [Create].
- Turn on Direct Monitoring as follows.

[Studio] → [Studio Setup] → [Yamaha Steinberg USB ASIO] (Windows) or [Steinberg UR44C DAW] (Mac) → enter checkmark to [Direct Monitoring] → [OK]

- Return to the project window and click [Project] → [Add Track] → [Audio] to display [Add Track].
- Select the [Audio Inputs] and [Configuration] to [Mono] and [Count] to [1], and then click [Add track] to create one new audio track.



Check whether the [Record Enable] is on (indicator lights up red) for the added audio track, and that [Monitoring] is on (indicator lights up orange). If these are not on, click to turn them on.



7. While singing into the microphone or guitar, adjust the input signal level of the microphone with the [INPUT 1 GAIN] knob on the device.

#### Setting optimum recording levels

Adjust the [INPUT GAIN] knobs so that the [PEAK] indicator flashes briefly at the loudest input volume.

- While singing into the microphone or guitar, adjust the output signal level of the headphones with the [PHONES] knob on the device.
- 9. Click to start the recording.



10. After finishing the recording, click to stop



11. Turn [Monitoring] off (the indicator goes dark/gray) for the audio track.



12. Click on the ruler to move the project cursor to the position where you wish to start playback.



13. Click ▶ to check the recorded sound.

When listening to the sound over monitor speakers, adjust the output signal level by the [OUTPUT] knob on the device.



The recording and playback operations are now complete.

For more detailed instructions on using Cubase series programs, refer to the Cubase operation manual.

#### **Programs other than Cubase Series**

- 1. Launch your DAW software.
- 2. Open dspMixFx UR-C.
- Adjust the input signal level of the microphone with the [INPUT GAIN] knob on the device.

#### Setting optimum recording levels

Adjust the [INPUT GAIN] knobs so that the [PEAK] indicator flashes briefly at the loudest input volume.

- While singing into the microphone, adjust the output signal level of the headphones with the [PHONES] knob on the device.
- Use dspMixFx UR-C as necessary to configure the URX44C.
- 6. Start recording on your DAW software.
- 7. After finishing recording, stop it.
- 8. Playback the newly recorded sound to check it.

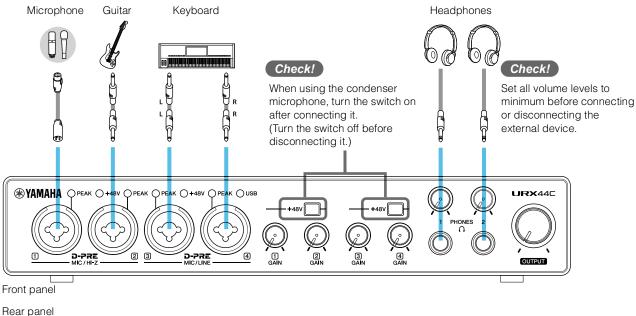
For details on how to use dspMixFx UR-C, refer to the dspMixFx User Guide.

https://manual.yamaha.com/audio/apps\_software/ dspmixfx/

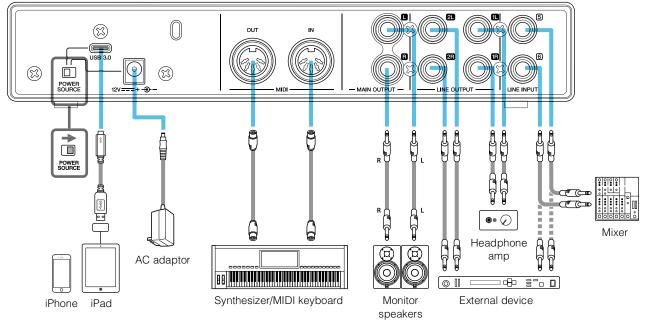
For more detailed instructions on using the DAW software, refer to your particular DAW's software manual.

# Using with an iOS Device

#### **Connection Example**







#### **NOTE**

- Apple accessories may be required when connecting the URX44C with iOS devices. For details, refer to the URX44C Setup Guide.
- iOS devices cannot be used by bus-powered supply.
- Refer to the following Yamaha website for information on compatible iOS devices. https://www.yamaha.com/2/urx44c/

#### Recording/Playback

This section explains simple recording operations for using a microphone. Connect a microphone or electric guitar to [MIC/HI-Z 1] connector as shown in the connection examples (page 13).

Turn the [+48V] switch on when using a phantom powered condenser microphone.

The explanation uses Cubasis (DAW app) as an example.

- iOS app may not be supported in your area. Please check with your Yamaha dealer.
- For the latest Cubasis information, see the Steinberg web site

https://www.steinberg.net/cubasis/

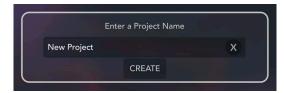
Open Cubasis.



2. Tap [NEW] on the screen.



Enter a project name and tap [CREATE] in the [New project] window.



Tap [+ADD] on the left of the screen, then tap [AUDIO] to add an Audio Track.







Tap on the far left of your screen to show 5. the track inspector.





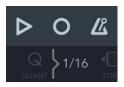


- Tap do show the details window and set the input bus for the track by tapping a number.
- 7. Tap do turn monitoring on (lit).
- 8. Adjust the input signal level of the microphone with the [INPUT 1 GAIN] knob on the device.

#### Setting optimum recording levels

Adjust the [INPUT GAIN] knobs so that the [PEAK] indicator flashes briefly at the loudest input volume.

- 9. While singing into the microphone, adjust the output signal level of the headphones with the [PHONES] knob on the device.
- 10. Tap [ O ] to start the recording.



11. Tap [ > ] to stop the recording.



#### 12. Tap and slide on the ruler to move the playback position.



You can also tap of the recording.

#### **13.** Tap [ ▶ ] to playback the recorded sound.



#### dspMixFx (for iOS devices)

From your iOS devices, you can conveniently control built-in DSP mixer functions and DSP effects by using dspMixFx for iOS devices. Refer to the following Yamaha website for details.

https://www.yamaha.com/2/dspmixfx/

For details on how to use dspMixFx UR-C, refer to the dspMixFx User Guide.

https://manual.yamaha.com/audio/apps\_software/ dspmixfx/

# **Troubleshooting**

The power indicator is off	Is the AC adaptor connected correctly?  The power indicator does not light when power is not supplied to the device.  Refer to the Setup Guide instructions to connect the AC adaptor to the device.
	Is the [POWER SOURCE] switch set properly?  The power indicator does not light when power is not supplied to the device.  Move the [POWER SOURCE] switch to the [12V DC] connector side when using AC adaptor or move the switch to [USB 3.0] connector side for bus-powered supply (computer only).
The power indicator flashes continuously	Is there a problem with power supply?  The indicator flashes continuously If the power supply is insufficient. Move the [POWER SOURCE] switch to [12V DC] connector side and use the AC adaptor for the power supply.
	Confirm whether or not a proper USB cable is used.  Connect the USB Type-C connector on a computer to the [USB 3.0] connector with USB 3.1 Type-C to Type-C cable (commercially available). For the USB 3.0 connector of a computer not equipped with the USB Type-C connector, use the AC adaptor.
The USB indicator flashes continuously	Has TOOLS for UR-C been installed properly? (Computer only) The indicator flashes continuously when the computer or iOS device does not recognize the device. Refer to the Setup Guide instructions to complete the TOOLS for UR-C installation.
No Sound	Has TOOLS for UR-C been installed properly? (Computer only) Refer to the Setup Guide instructions to complete the TOOLS for UR-C installation.
	Confirm that a proper USB cable is being used.  Make sure to use the included USB cable.
	Are the volume controls of the device set to appropriate levels?  Confirm the levels of the [OUTPUT] knob and [PHONES] knob.
	Are the microphones and monitor speakers connected to the device properly?  Refer to the section "Connection Example" (pages 8, 13) to confirm the connection.
	Are the audio driver settings on DAW software set properly?  Refer to the section "Configuring the Audio Driver Settings on DAW Software" (page 10) to set it.

#### No Sound

#### Is the [ASIO Driver] setting on the Cubase series program set properly?

From the Cubase series menu, open the [Studio]  $\rightarrow$  [Studio Setup]  $\rightarrow$  [Audio System], then confirm that the [Yamaha Steinberg USB ASIO] (Windows) or [Steinberg UR44C DAW] or [Steinberg UR44C DAW (High Precision)] (Mac) is selected on the [ASIO Driver].

#### Windows



#### Mac



#### Was the power of the device turned on before starting the DAW software?

Before starting the DAW software, connect the device to a computer and turn on the power of the device.

#### Is the input/output routing set properly?

Refer to the section "Recording/Playback" (page 11) to check the input/output routing in the DAW.

#### Is the monitor speaker switch turned on?

Confirm that the monitor speaker switch is turned on.

#### Is the buffer size set too low?

Increase the buffer size compared to the current settings; refer to the section "Yamaha Steinberg USB Driver" (page 6) for instructions.

#### Is the error message "Audio Format is Unmixable" shown? (Mac only)

The error message "Audio Format is Unmixable" is shown in the Yamaha Steinberg USB control panel. Click [Revert to Mixable] to resolve the error.



#### **Unusual sound**

(noise, interruption, or distortion)

#### Does your computer satisfy the system requirements?

Confirm the system requirements. Refer to the following Yamaha website for the latest information.

https://www.yamaha.com/2/urx44c/

#### Is the USB Mode set properly?

Depending on the USB host controller in your computer, audio dropout might occur when SuperSpeed (USB 3.1 Gen1) mode is used. In such a case, please try switching to High-Speed (USB 2.0) mode in the Yamaha Steinberg USB Driver Control Panel.

#### Are you recording or playing long continuous sections of audio?

The audio data processing capabilities of your computer will depend on a number of factors including CPU speed and access to external devices. Reduce the audio tracks and check the sound again.

#### Are the microphones properly connected to the device?

Connect a microphone with an XLR plug to the device. If you use a phone plug, the volume may be insufficient.

#### Is the loopback function set properly?

Set loopback to off in the dspMixFx master area if you won't be using the loopback function.

#### Is the error message "Audio Format is Unmixable" shown? (Mac only)

The error message "Audio Format is Unmixable" is shown in the Yamaha Steinberg USB control panel. Click [Revert to Mixable] to resolve the error.

Refer to the following Yamaha website for the latest support information.

https://www.yamaha.com/2/urx44c/

# **Appendix**

#### **Limitations on the Use of Effects**

The URX44C features six Channel Strips and two Guitar Amp Classics.

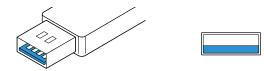
Simultaneous use of the Channel Strips and Guitar Amp Classics on the same channel is possible since two slots are provided for inserting effects in to each input channel.

However, the following restrictions apply.

- Two Channel strips and two Guitar Amp Classics cannot be used in the same channel.
- Two Guitar Amp Classics cannot be used in the same channel.
- · Guitar Amp Classics cannot be used in stereo channels.
- Guitar Amp Classics cannot be used when the sample rate is set to 176.4 kHz or 192 kHz.

#### **Computer Connector Types**

#### **USB 3.0 Type A**



#### **USB 2.0 Type A**



When connecting the device to a USB 3.0/2.0 Type A port of the computer, you will need the included USB cable and AC adaptor.

#### USB 3.1 Type C



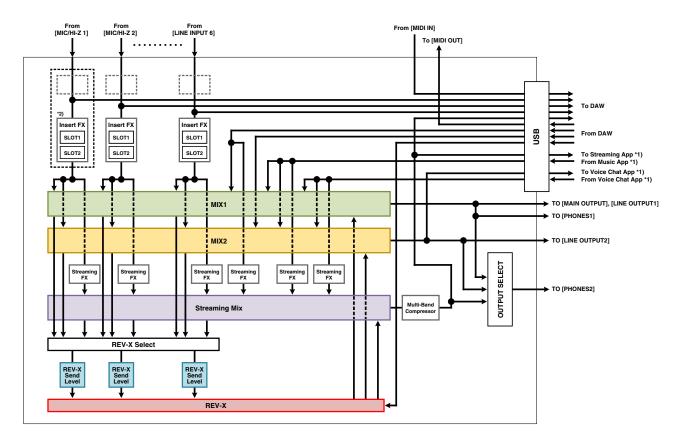
When connecting the device to a USB 3.1 Type-C port, you will need a commercially available USB 3.1 Type-C to Type-C cable (commercially available). Bus power operation is possible in this case.

## **Signal Flows**

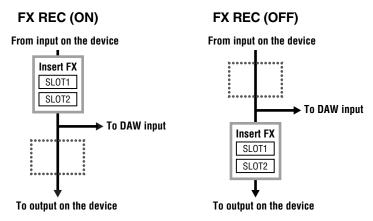
The following chart indicates the signal flow in the device.

#### **NOTE**

- The controllers on the device, such as the [INPUT GAIN] knobs, [OUTPUT] knob are not included in this chart.
- The built-in Guitar Amp Classics can't be used if the sampling frequency is 176.4 kHz or 192 kHz.

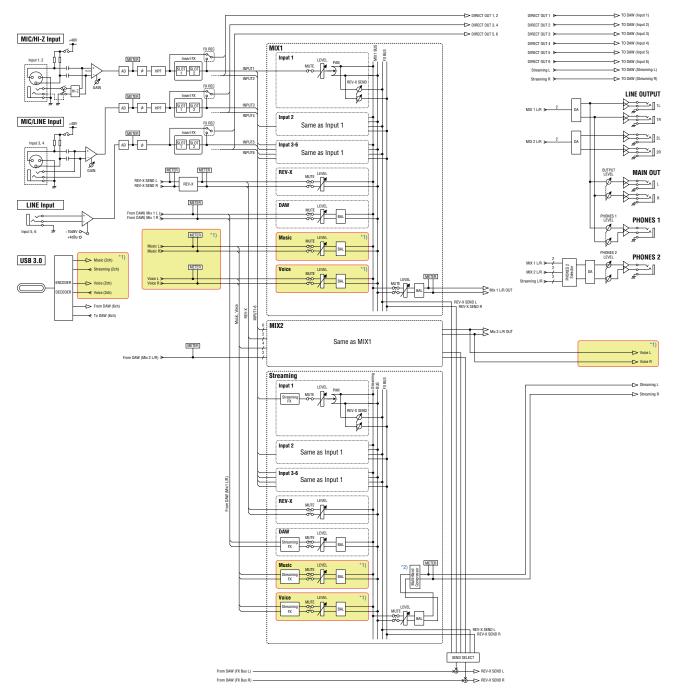


- \*1) Cannot be used when connected to an iPhone or iPad.
- \*2) The following chart indicates an effect insertion location.



- Set FX REC ON when recording the DSP effect processed signal with the DAW.
- Set FX REC OFF when recording a signal without DSP effect processing with the DAW.
- \*3) You can turn this on for either MIX 1 or MIX 2.

## **Block Diagrams**



\*2) Not available when sample rate is 176.4 kHz or 196 kHz.

# **Technical Specifications**

MIC INPUT 1-4 (balanced)		
Frequency Response	+0.0/-0.4 dB, 20 Hz – 22 kHz	
Dynamic Range	102 dB, A-Weighted	
THD+N	0.003%, 1 kHz, 22 Hz/22 kHz BPF	
Maximum Input Level	+6 dBu	
Input Impedance	3 kΩ	
Gain Range	+6 dB - +60 dB	
HI-Z INPUT 1/2 (unbalanced)		
Maximum Input Level	+9.0 dBV	
Input Impedance	1 ΜΩ	
Gain Range	+0.8 dB - +54.8 dB	
LINE INPUT 3/4 (balanced)		
Maximum Input Level	+22 dBu	
Input Impedance	10 kΩ	
Gain Range	-10 dB - +44 dB	
LINE INPUT 5/6 (balanced)		
Frequency Response	+0.0/-0.4 dB, 20 Hz – 22 kHz	
Dynamic Range	106 dB, A-Weighted	
THD+N	0.002%, 1 kHz, 22 Hz/22 kHz BPF	
Maximum Input Level	+22 dBu (+4 dBu input), +2.1 dBV (-10 dBV input)	
Input Impedance	10 kΩ (+4 dBu input), 10 kΩ (-10 dBV input)	
Gain Selection	+4 dBu or -10 dBV input Switchable	
MAIN OUTPUT (balanced)		
Frequency Response	+0.0/-0.2 dB, 20 Hz – 22 kHz	
Dynamic Range	105 dB, A-Weighted	
THD+N	0.002%, 1 kHz, 22 Hz/22 kHz BPF	
Maximum Output Level	+16 dBu	
Output Impedance	75 Ω	
LINE OUTPUT (balanced)		
Frequency Response	+0.0/-0.2 dB, 20 Hz – 22 kHz	
Dynamic Range	105 dB, A-Weighted	
THD+N	0.002%, 1 kHz, 22 Hz/22 kHz BPF	
Maximum Output Level	+16 dBu	
Output Impedance	75 Ω	
PHONES 1/2		
Maximum Output Level	100 mW+100 mW, 40 Ω	
USB		
Specification	USB 3.0, 32-bit, 44.1 kHz/48 kHz/88.2 kHz/96 kHz/176.4 kHz/192 kHz	
XLR INPUT		
Polarity	1: Ground	
	( වී <sub>ම</sub> ්) 2: Hot (+)	
	3: Cold (-)	

# **General Specifications**

Power Requirements	7.5 W
Dimensions (W x H x D)	252 x 47 x 159 mm
Net Weight	1.5 kg
Operating Free-air Temperature Range	0 °C – 40 °C
Included Accessories	<ul> <li>AC adaptor (PA-150 or equivalent)</li> <li>USB 3.0 cable (3.1 Gen1, Type-C to Type-A, 1.0 m)</li> <li>Setup Guide</li> <li>Cubase AI License Card</li> <li>Basic FX Suite License Card</li> <li>Steinberg Plus License Card</li> </ul>

The contents of this manual apply to the latest specifications as of the publishing date. Download the latest version from the Yamaha website.

#### Uninstalling TOOLS for UR-C

To uninstall the software, you must remove the following software one by one.

- Yamaha Steinberg USB Driver
- Steinberg UR-C Applications
- Basic FX Suite

Follow the steps below to uninstall TOOLS for UR-C.

#### **Windows**

- 1. Disconnect all USB devices other than the mouse and keyboard from the computer.
- 2. Start the computer and log on to the Administrator account.

Exit any open applications and close all open windows.

3. Open the window for the uninstall operation as follows.

[Control Panel] → [Uninstall a Program] to call up the [Uninstall or change a program] panel.

- Select the software to be uninstalled from the list.
  - Yamaha Steinberg USB Driver
  - Steinberg UR-C Applications
  - Basic FX Suite
- Click the [Uninstall] / [Uninstall /Change].

If the [User Account Control] window appears, click [Continue] or [Yes].

Follow the on-screen instructions to remove the software.

Repeat steps 4 through 6 to uninstall the remaining software you have not selected.

Uninstalling TOOLS for UR-C is now complete.

#### Mac

- 1. Disconnect all USB devices other than the mouse and keyboard from the computer.
- 2. Start the computer and log in to the Administrator account.

Exit any open applications and close all open windows.

- 3. Extract the TOOLS for UR-C that you downloaded in advance.
- Double-click the following file in the extracted folder.
  - Uninstall Yamaha Steinberg USB Driver
  - Uninstall Steinberg UR-C Applications
  - Uninstall Basic FX Suite
- 5. Click [Run] when the "Welcome to the \*\*\*uninstaller." message appears.

The characters \*\*\* represent the software name. After that, follow the onscreen instructions to uninstall the software.

- 6. Click [Restart] or [Close] when the "Uninstallation completed." message appears.
- 7. When the message prompting you to restart your computer appears, click [Restart].

Repeat steps 4 through 7 to uninstall the remaining software you have not selected.

Uninstalling TOOLS for UR-C is now complete.

Yamaha Global website https://www.vamaha.com/

Yamaha downloads https://download.yamaha.com/