



# VXL1-16P Firmware Updater User Guide

## Introduction

Thank you for choosing this Yamaha product.

This User Guide explains how to use the “VXL1-16P Firmware Updater” application to update the firmware of the VXL1B-16P and VXL1W-16P.

## Precautions (Read First)

- Performing updates is at the user’s own risk.
- Note that the device may be damaged if it is not operated according to the procedures described in this User Guide, such as turning off the device or disconnecting the cable while the update is in progress (loading data).
- If the update fails or the device does not operate correctly even after the update has been attempted again, contact qualified Yamaha service personnel.
- Yamaha Corporation owns all copyrights for the device firmware, its update program and the User Guide.
- Unauthorized duplication or modification of part or all of the firmware, software, and User Guide is prohibited.
- The screen shots in this User Guide are for instructional purposes only and may differ from the actual screens.
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## Step 1. Preparing the hardware and software

1. Prepare the following hardware.

Hardware	Notes
Speaker	VXL1B-16P, VXL1W-16P
Windows computer	<ul style="list-style-type: none"> <li>• OS : Windows 10 (32-bit/64-bit)</li> <li>• CPU : 1 GHz or faster processor</li> <li>• Memory : 2 GB or more</li> <li>• Others : Ethernet (1000BASE-T) is required.</li> </ul>
Ethernet cable	<ul style="list-style-type: none"> <li>• CAT5e or higher recommended.</li> <li>• Either a straight-through or crossover cable can be used.</li> </ul>
PoE compliant switch	An IEEE802.3at or IEEE802.3af compliant switch

2. Set up the following software on the prepared computer.

Software	Setup procedure
Application "VXL1-16P Firmware Updater"	<ol style="list-style-type: none"> <li>1. Download "vxl1-16p_firmware_updater.zip" from the Yamaha Pro Audio website, and then extract it.</li> <li>2. Save "VXL1-16P_FirmwareUpdater" to a folder.</li> </ol>
Firmware file "VXL1_PROG.BIN"	<ol style="list-style-type: none"> <li>1. Download "vxl1_firm_***.zip" (where "****" is the version number) from the Yamaha Pro Audio website, and then extract it.</li> <li>2. Save "VXL1_PROG.BIN" to a folder.</li> </ol>

### Note

- URL of Yamaha Pro Audio website : <http://www.yamahaproaudio.com/>
- Note that the name of the firmware file after extraction does not include the version number.

## Step 2. Specifying computer TCP/IP setting

1. On the computer, open the “Internet Protocol Version 4 (TCP/IPv4) Properties” dialog box.

### Note

This dialog box can be opened, for example, by clicking the following in the order shown.

[Control Panel]

→ [Network and Internet]

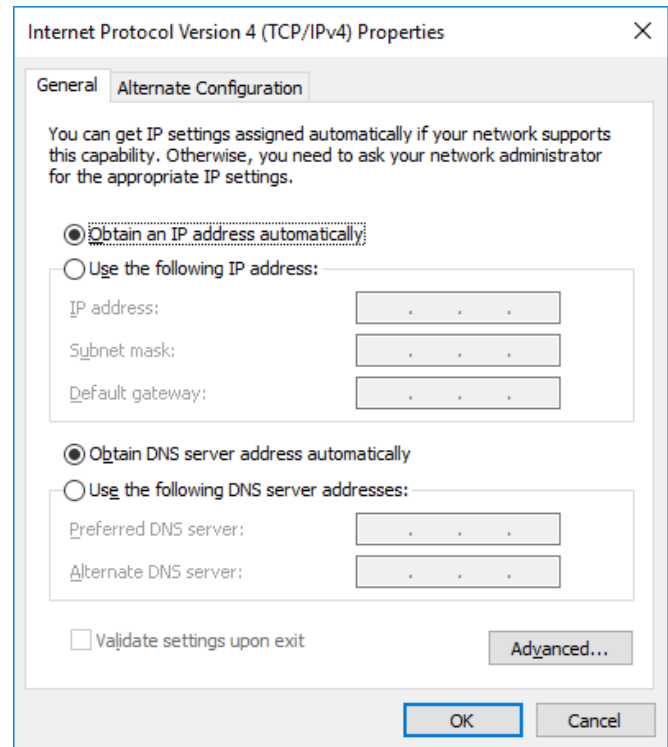
→ [Network and Sharing Center]

→ [Ethernet]/[Wi-Fi]

→ [Properties]

→ [Internet Protocol Version 4 (TCP/IPv4)]

→ [Properties]



From here, the procedure differs depending on the speaker setting.

### 【When speaker IP address setting is DHCP】

2. Select [Obtain an IP address automatically], and then click [OK].

### 【When speaker IP address setting is Unit ID】

2. Select [Use the following IP address].
3. In the [IP address] box, enter [192.168.0.\*\*\*]  
(where “\*\*\*” is not the same value as for the UNIT ID of the VXL1-16P).
4. In the [Subnet mask] box, enter [255.255.255.0], and then click [OK].

### Note

When specifying the above settings, the “VXL1-16P Firmware Updater” may be blocked by Windows Firewall.

If this happens, click [Windows Security] → [Firewall & network protection] → [Allow an app through firewall] → [Change settings], select the [Private] check box beside “VXL1-16P Firmware Updater,” and then click [OK].

## Step 3. Updating the speaker firmware

1. Use Ethernet cables to connect the speakers and computer, through a PoE compliant switch.

### Note

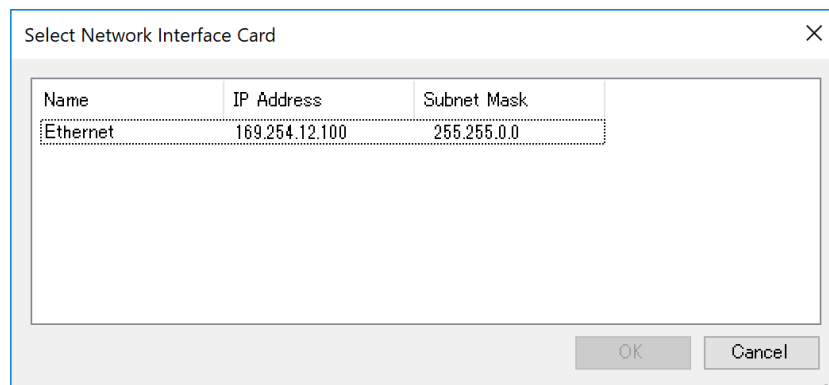
If the computer enters standby, for example, in Power saver mode, data transfer to the device may stop.

Set the computer in advance so that it does not enter standby. In addition, do not use a screen saver, etc.

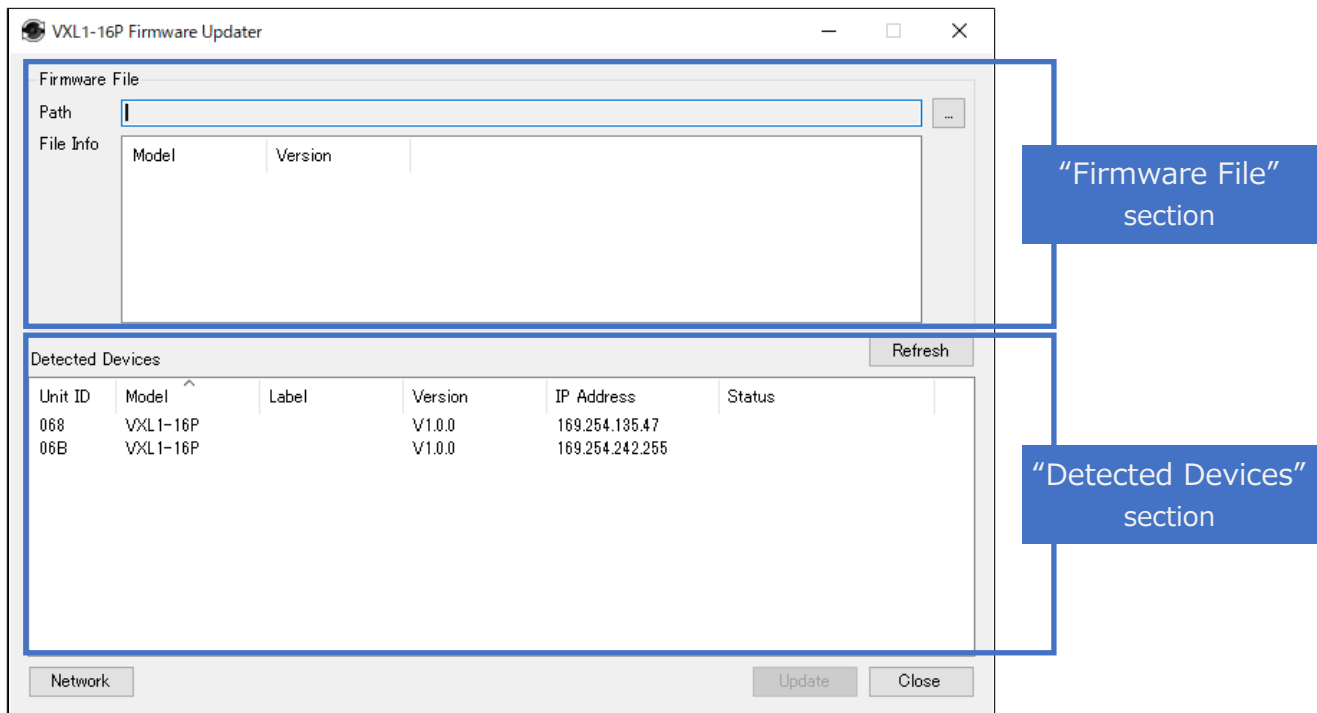
From here, the descriptions show screen shots that appear as **【When speaker IP address setting is DHCP】**.

2. Start "VXL1-16P Firmware Updater".

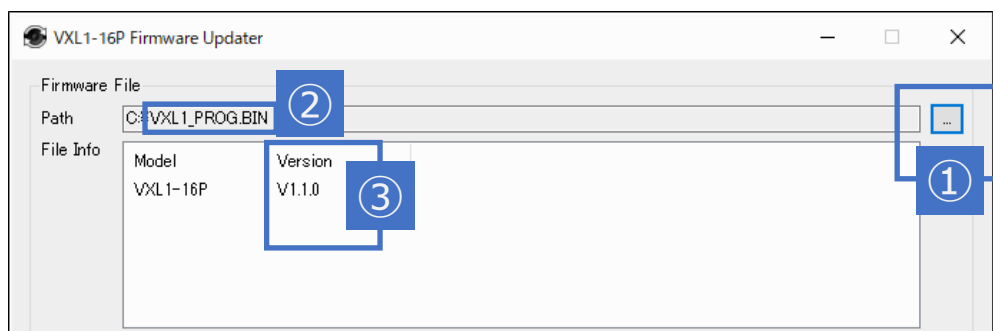
→ "Select Network Interface Card" dialog box appears, and the usable network cards are listed.



3. Select the network card whose TCP/IP setting was specified, and then click [OK].  
→ The main window appears.

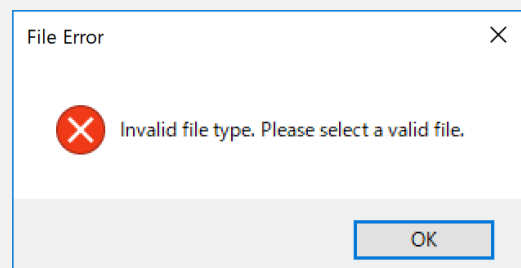


4. Click the select file button (① in the screen shot) in the "Firmware File" section, and then select [VXL1\_PROG.BIN].  
→ The name of the selected firmware file appears at ② and the version at ③ in the screen shot.



### Note

If the correct firmware file has not been selected, an error message appears.



5. Check the speaker information displayed in the “Detected Devices” section.

Detected Devices						Refresh
Unit ID	Model	Label	Version	IP Address	Status	
068	VXL1-16P		V1.0.0	169.254.135.47		
06B	VXL1-16P		V1.0.0	169.254.242.255		

Unit ID	Displays the unit ID of the speaker.
Model	Displays the model name of the speaker.
Label	Displays the designation of the speaker (it is not displayed in the V1.0.0).
Version	Displays the firmware version of the speaker.
IP Address	Displays the IP address of the speaker.
Status	Displays the progress of the update.

**Note**

- When [Refresh] is clicked, the displayed information is cleared, and then the speaker information is updated to the latest status. (If network settings have not been enabled, [Refresh] cannot be clicked.)
- If no speaker information is displayed, even though the TCP/IP setting is correctly specified, restart the speakers.

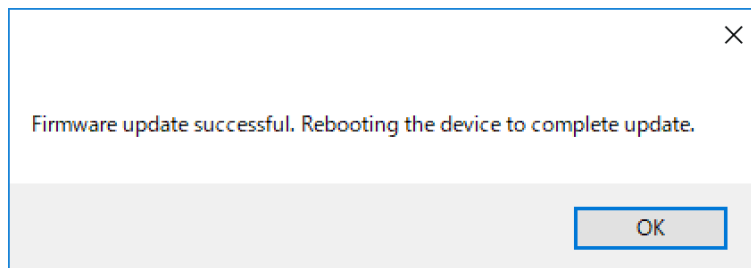
6. Click [Update].

→ All the speakers displayed are updated.

**Note**

- Under "Status", "Updating..." appears when the update is in progress, and "Completed" appears when updating is finished.
- If "Error" appears under "Status", the update has not been completed successfully. Check the connection status, and then perform the update again.

→ When the update is finished, completion information appears.



→ When the update is finished, the speakers will automatically restart.

After the restart, check that the updated firmware version is displayed in the "Detected Devices" section.

This completes the firmware update.

Yamaha Pro Audio website  
<http://www.yamahaproaudio.com/>  
Yamaha downloads  
<https://download.yamaha.com/>