

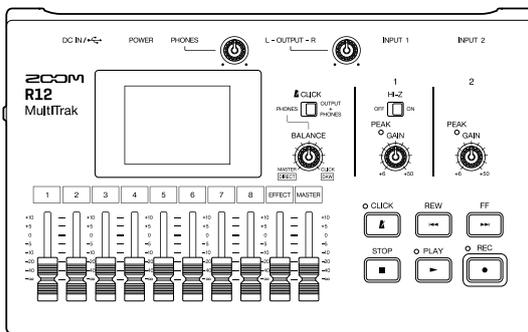
# R12 Firmware Update Guide

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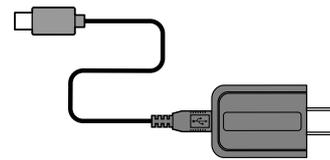
Proper display is not possible on grayscale devices.

## Introduction

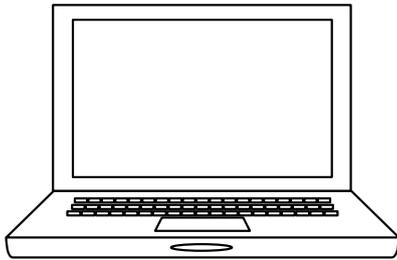
### ■ Items to prepare



R12



AC adaptor



Windows or macOS computer  
with Internet access



microSD card

### ■ Firmware update process

1. Download the firmware update file.
2. Extract the ZIP file.
3. Copy the extracted firmware update file to a microSD card.
4. Update the firmware.
5. Confirm that the firmware has been updated correctly.

# Updating the Firmware

This guide explains firmware update to version 2.00 as an example.

**1.** Download the firmware update file.

Download the ZIP file that contains the firmware update file from the R12 download page.

SOFTWARE

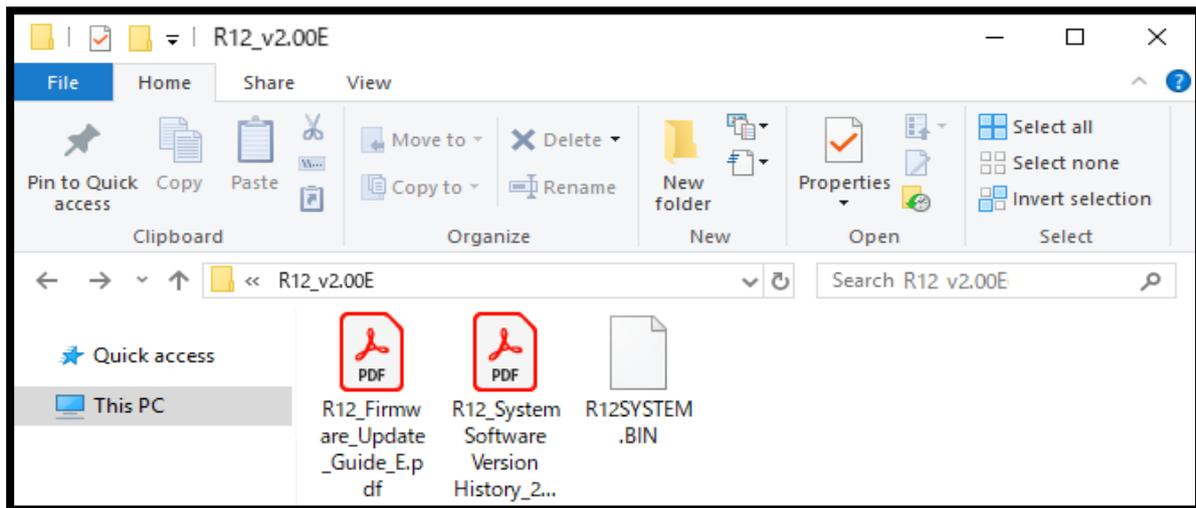
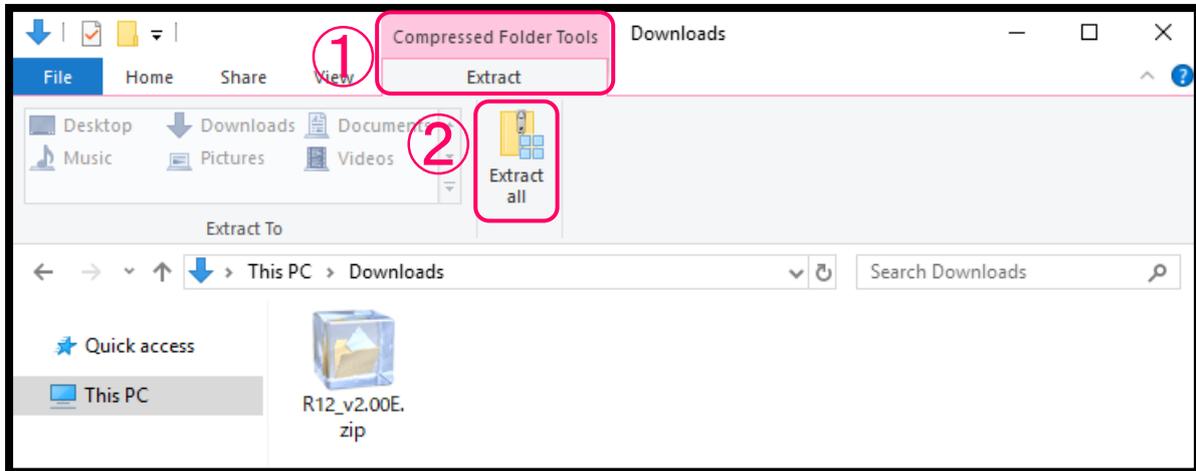
R12 Firmware  
System Version 2.00

VIEW PRODUCT

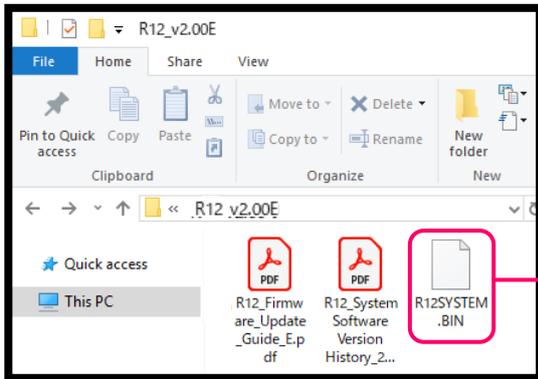
## On Windows

### 2. Extract the ZIP file.

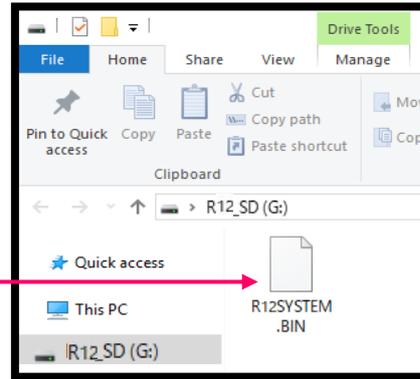
Select the folder that contains the downloaded ZIP file. Click ① “Compressed Folder Tools” and then click ② “Extract all”. This extracts the ZIP file.



3. Copy the firmware update file to a microSD card.  
Copy the “R12SYSTEM.BIN” file to a microSD card.



**Firmware update file**

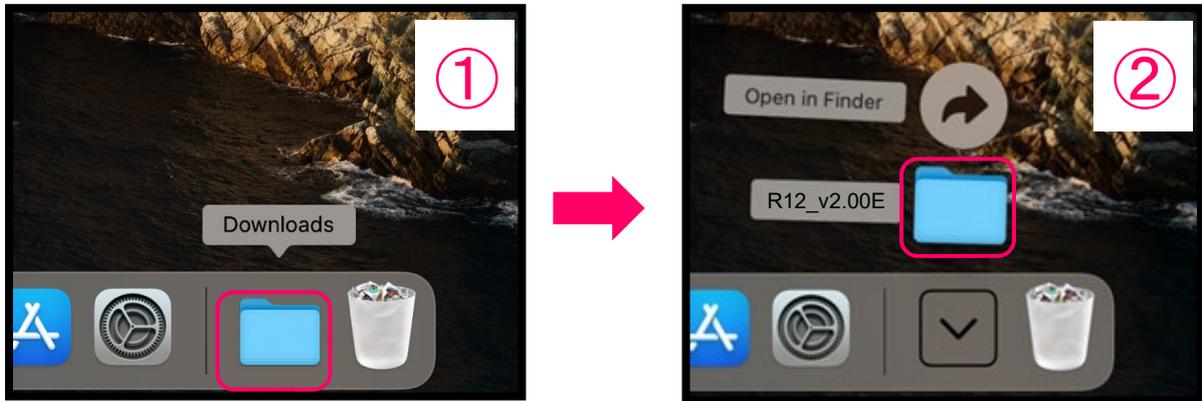


**Copy the firmware update file to a microSD card.**

## On macOS

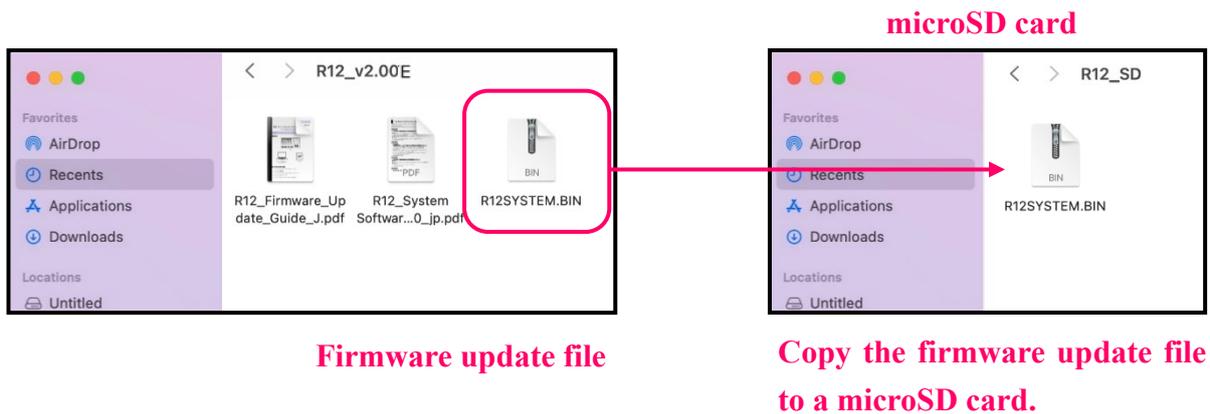
### 2. Extract the ZIP file.

After downloading, open the ① “Downloads” folder which appears at the right end of the Dock by default. Then, click ②. Downloaded files will be shown.



### 3. Copy the firmware update file to a microSD card.

Copy the “R12SYSTEM.BIN” file to a microSD card.



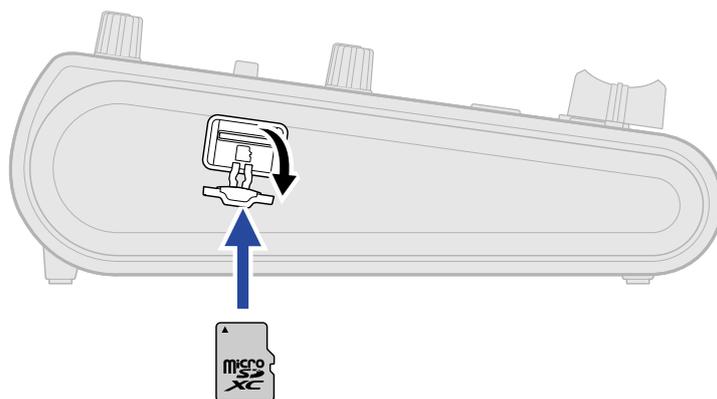
The following procedures are the same on both Windows and macOS.

4. Connect an AC adapter.

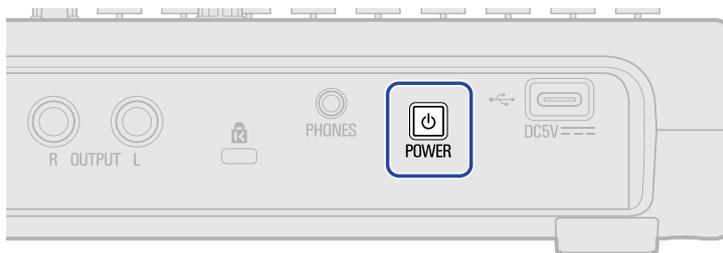
**NOTE**

Updating the firmware is not possible when operating with battery power.

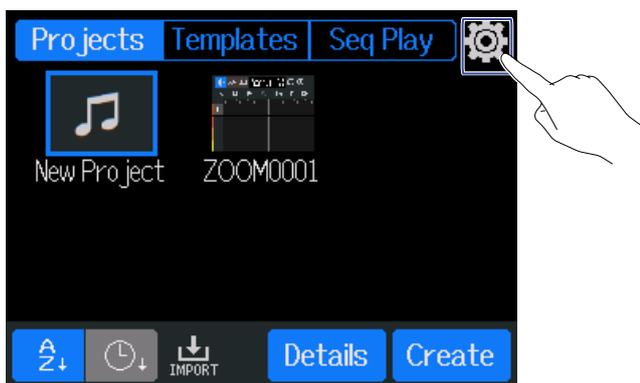
5. Insert the microSD card into the R12.



6. Turn the power on.



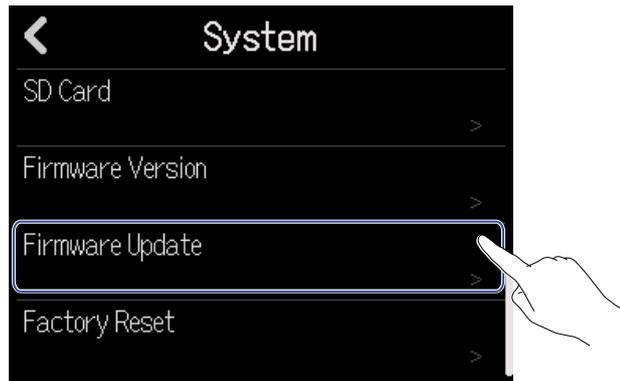
7. TAP  on the Projects Screen.



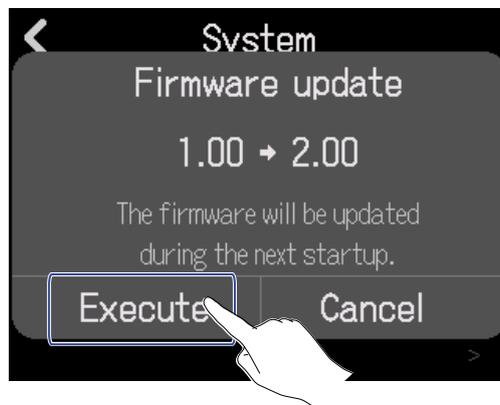
**HINT**

If launched while a project is open, return to the Project Screen.

**8.** TAP “Firmware Update”.



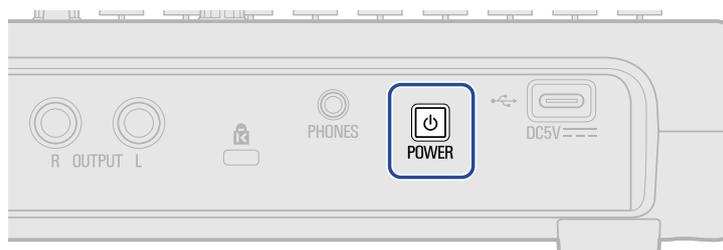
**9.** TAP “Execute”.



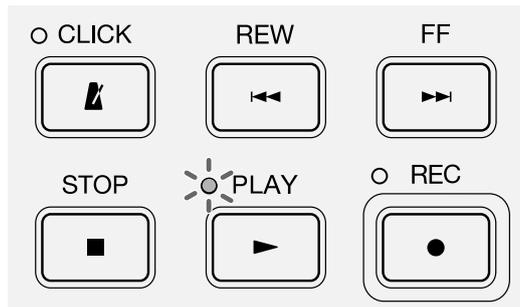
**10.** Turn the power off when the following message is displayed.



**11.** Turn the power on again.



The PLAY indicator will blink and firmware updating will begin.



**NOTE**

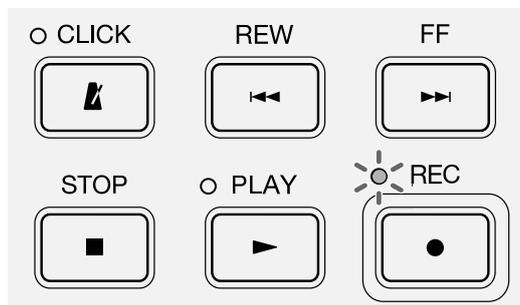
During the firmware update, do not turn the power off or remove the microSD card. Doing so could cause the R12 to become unstart able.

**12.** After the firmware update completes, turn the power off.



**NOTE**

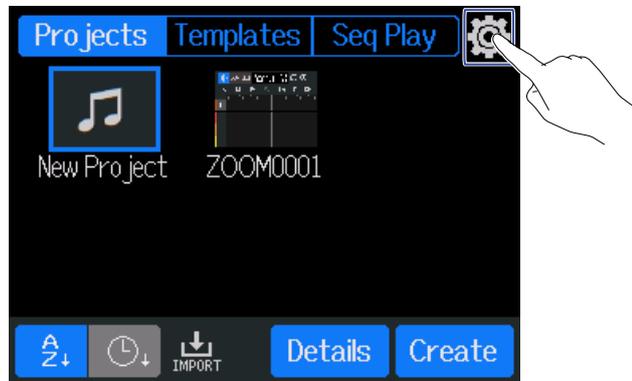
In the unlikely event that the screen is not shown and the REC indicator lights, turn the power off and on again once and conduct the firmware update again.



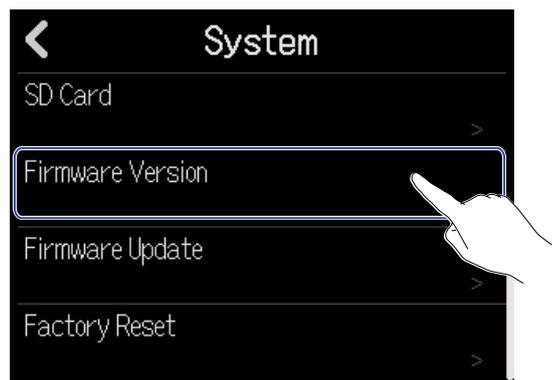
## Confirming that the firmware has been updated correctly

Check the firmware versions used by the R12.

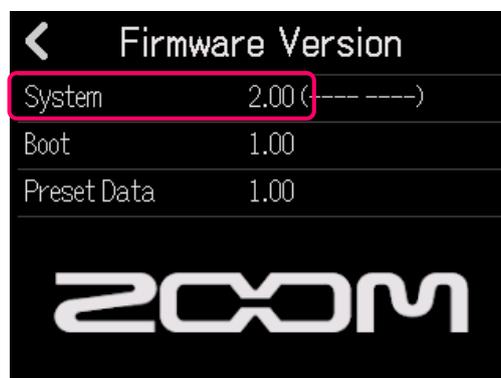
1. TAP  on the Projects Screen .



2. Tap "Firmwear Version".



3. Check the firmware version.



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