

ZoomCtrl.EXE (ZOOM Remote Web Service for Windows) Setup Guide

Change History

2022/6/17: v1.0 - First release for Vector site
2022/6/22: v1.01 - Exit Window support for ZOOM host account
2022/6/24: v1.02 - Raise Hand Button colored in gray when Reaction+ button enabled
2022/7/28: v1.03 - More stabled version to detect Exit Window and Raise Hand icon
2022/8/08: v1.04 - Button responses more improved
2022/8/28: v1.05 - Fixed button status problems when entering into Break-out Room
2022/8/31: v1.06 - Support various display scales when checking status icons
2022/9/25: v1.07 - Added a button in the remote screen to update ZOOM status panel
2022/10/08: v1.08 - Added options to control beep sounds by short-cut keys and to run at the startup
2022/11/16: v1.09 - Added QR code image in the dialog box to represent the control URL
2023/1/23: v1.10 - Fixed Raise Hand button in gray and English support for non-Japanese region set
2024/8/30: v1.11 - Fixed button bright/dark toggle problems due to internal Window class name

Trademarks

The naming, ZOOM or ZOOM Application described in this guide is trademarks of Zoom Video Communications, Inc. in United States or other countries. While the concatenated expression, ZoomCtrl means this application itself.

About bundled DLL

Since v1.09 this ZoomCtrl package includes a free-licensed DLL library, DotNetBarcode (<https://www.vector.co.jp/soft/win95/writing/se408449.html>) to generate QR code to represent the control URL.

Overview

ZoomCtrl.EXE (ZOOM Remote Web Service for Windows) is an independent program which can be run on Windows OS to enable some short-cut functions of your ZOOM application via your Smartphone browsers to remotely control it without touching or clicking PC screen. To reduce the development cost of the programs both for Android phone and for iPhone, this web service is provided from PC side to be accessed from any browsers of your Smartphone via local intranet.

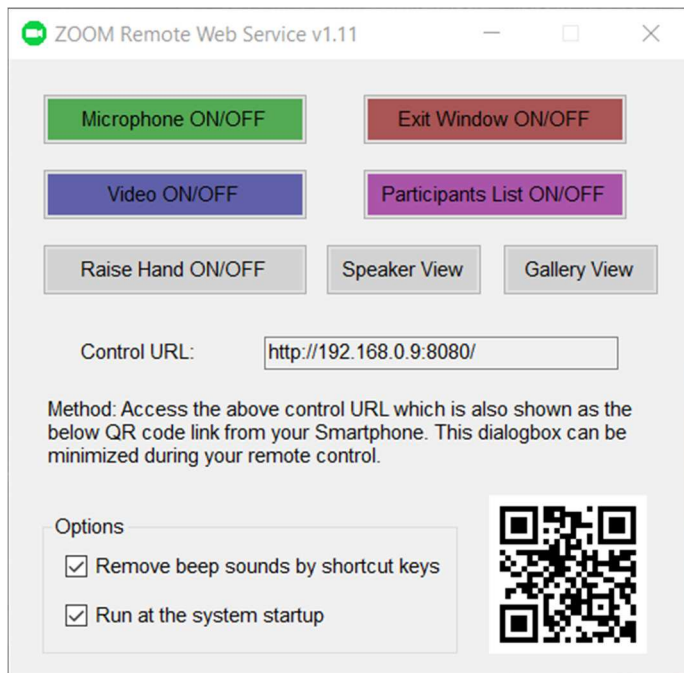
Installation

After unzipping the package ZIP file, run ZoomCtrlInst.msi. Please give OS administrator right to set firewall and access control rules during installation. After installation, C:\¥ZoomCtrl folder including ZoomCtrl.EXE file and other support DLLs is created with a desktop short-cut to the folder.

Uninstallation

From Windows setup or Windows (traditional) control panel, execute ZoomCtrl uninstallation process to reset firewall and access rules and to remove ZoomCtrl.EXE from its folder with OS administrator right.

Start ZoomCtrl.EXE (ZOOM Remote Web Service for Windows)



Please run ZoomCtrl.EXE in its folder. A dialog window is displayed and various buttons are provided for some short-cut functions of your ZOOM application.

Currently enabled short-cut functions are as follows.

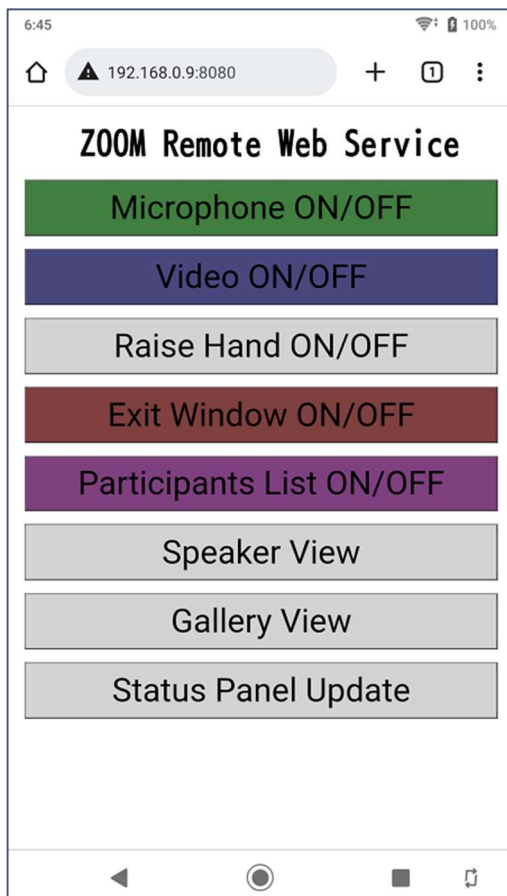
- 1) Microphone ON/OFF
- 2) Video ON/OFF
- 3) Raise Hand ON/OFF (*1)
- 4) Exit Window ON/OFF
- 5) Participant List ON/OFF
- 6) Speaker View
- 7) Gallery View
- 8) Status Panel Update (*2)

*1: The latest version would not change Raise Hand ON/OFF button color. Confirm your raise hand status from a hand icon aside your video view.

*2: Status Panel Update button exists on the remote screen on your Smartphone browser.

Note that this dialog window will be started as a minimized window. Change it to a normal window if required. Existing setting options are explained later.

Smartphone Browser Screen



This application expects HTTP protocol access with TCP 8080 port number from your Smartphone side. The control URL (example in the figure, <http://192.168.0.9:8080/>) is provided in the dialog window at PC side. By access it from your Smartphone browser, the browser screen provides remote control buttons to control various functions as this figure.

Speaker View and Gallery View buttons are separately workable and other buttons are workable as toggle buttons. The bright/dark color of each toggle button represents ON/OFF state of each function except Raise Hand button.

By touching Exit Window button, a sub-window will be displayed to confirm your exit from ZOOM application. Touch OK button for immediate exit or touch Cancel button to continue your operation of ZOOM application.

If the microphone ON/OFF control by participants is enabled by ZOOM host setting, the status will be immediately reflected as the button color. However if

the control can be enabled by ZOOM host permission, the dialog box will be displayed on the Smartphone screen. It may say "Zoom Host is now requesting your MIC unmute. Is it OK?" or

"Zoom Host would not permit to unmute your MIC by yourself." Select OK or Cancel button according to the dialog box directions.

Touching Status Panel Update will toggle ZOOM status panel display and it is useful to re-display the panel disappeared after some full-screen display by ZOOM host.

Option: Remove beep sounds by shortcut keys

The remote short-cut functions from your Smartphone will be finally translated to Windows shortcut keys. According to Windows setting, these shortcut keys may cause some system beep sound not being favorable for ZOOM meeting. Please make "Remove beep sounds by shortcut keys" option in the dialog box checked to suppress the sounds.

Option: Run at the system startup

If you are reluctant to run this application every your ZOOM meeting, please make "Run at the system startup" option in the dialog box checked to start ZoomCtrl.EXE automatically at the system startup. It is recommended to make this option checked because no action can be done without any remote control or any button clicking on the dialog box. If you have auto-start setting for this application by Windows Task scheduler, it should be removed to prevent unexpected auto-start at the system startup even if this option is unchecked.

About Meeting Control Toolbar (ZOOM Status Window/Panel)

This application is monitoring Microphone ON/OFF and Video ON/OFF conditions by their icon status via Meeting Control Bar (ZOOM Status Window/Panel).

So if possible, set "Always show the meeting control toolbar" enabled by ZOOM user setting. This application can display the toolbar forcedly when it is hidden. However your "Always show the meeting control toolbar" setting will accelerate the above status monitoring. Or you can touch Status Panel Update button on the Smartphone screen to toggle the toolbar display as described before.



About ZOOM application minimized

When ZOOM application is minimized, Meeting Control Toolbar (ZOOM Status Window/Panel) is also minimized and this application cannot get Microphone/Video ON/OFF conditions correctly. Currently we are researching a bit of workarounds to remove this limitation.

About Japanese/English language support

If [Japanese/Japan] is selected as Windows Regional Format settings, both the dialog box screen and the remote screen at the Smartphone side will be displayed in Japanese. If other Regional Format is selected, they will be displayed in English. This change comes immediately without this application restart.

Overall setup guidance is finished. Thank you for your downloading this package and your interest to use ZoomCtrl.EXE (ZOOM Remote Web Service for Windows) application.

Our Contact

Email address: mh.software.desk@gmail.com

Home Page (in Japanese): <https://mhsoftwaredesk.com/>

ZoomCtrl.EXE (ZoomCtrl Remote Web Service) Copyright(C) 2023-2024, M&H Software Ltd.