■Outline

This document explains the method of remote control for Yamaha digital mixers via Ethernet connection. You can not only execute commands from a terminal, but also execute operations from a show control application, such as QLab from Figure 53, allowing remote control of a console without MIDI connection.

■Contents

- Sample script files for Python to control the Yamaha digital mixer

    command.py -- to execute the exhibited arbitrary commands

    recall.py -- to recall a specified Scene to CL series and QL series

    recall_a.py -- to recall a specified Scene (A side) to TF series

- List of available commands (command_list.pdf)

- Test kit for controlling a TF series console from QLab software (TFxQLab/)

■Required devices and settings

- A Yamaha digital mixer

    TF series        (V2.00 or later)

    CL series / QL series (V3.11 or later)

    * We recommend that you use the latest version whenever possible.

    The IP address of a mixer should be set to 192.168.0.128 (fixed address).

- A computer in which the Python (V2.7 or later) is installed and can be operated

    Windows, Mac, and Linux operating systems can be used.

    * As for Mac OS X, Python is already installed.

    The IP address of a computer should be set to a connectable IP address to digital mixers, such as 192.168.0.100 (fixed).

■Execution of a sample script

This section describes operation methods of a Yamaha digital mixer using the sample files in this folder.

- Preparation

    Connect the Yamaha digital mixer and the computer with a LAN cable while checking "Required devices and settings."
    Start the terminal application and move to this directory.

- Execution

    Execute the following commands with the terminal application to recall the Scene #001.

    For CL series / QL series

        python recall.py 1

            or

        python command.py ssrecall_ex MIXER:Lib/Scene 1

    For TF series (Scene A:001 will be recalled)

        python recall_a.py 1

            or

        python command.py ssrecall_ex scene_a 1

    * In the above command, you can recall any desired Scene by changing the field "1" to the appropriate number.
    * Use "command.py" to control the mixer in other ways with the appropriate commands. Refer to "List of available commands" (command_list.pdf) for details of available commands.

■Cooperation with other software

Use a show control application which can handle terminal commands, such as QLab from Figure 53, and execute commands to control the mixer via Ethernet without MIDI connection.

■ Notice for using a python command with QLab

● There is a case in which some commands will not be executed correctly when executing multiple commands whose Wait Time is set to "0". If this happens, set Pre Wait for all the commands to "1" or other numbers, then they will be executed correctly.

● If a file path in a script includes a bracket or two-byte character, the python command sometimes may not be executed correctly.