



UTILITY APPLICATION INSTRUCTION MANUAL

MIXER AMPLIFIER

A-3606D, A-3612D, A-3624D, A-3648D

Package Amplifier Utility Application Ver.1.0.1.0

Communication Setting

Communication Check

The application version : Ver.1.04.00

Control

Power OFF ON

Reset

Firmware

Firmware Update

Update to

Application : Ver.1.05.00

Updater : Ver.1.01.01

Log

Download Log File

Configuration

Download Config File

Upload Config File

Log File Convert

Log file acquired from the Package amplifier

Browse...

Output file after conversion

Browse...

Convert time zone to

UTC+09:00 Tokyo Standard Time

Conversion

TOA's Thank you for purchasing TOA's Mixer amplifier.

Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

TABLE OF CONTENTS

1. GENERAL DESCRIPTION	3
2. SYSTEM REQUIREMENTS	3
3. HANDLING PRECAUTIONS	3
4. BEFORE USE	3
5. OPERATION SCREEN DESCRIPTION	4
6. CONNECTIONS	6
7. FILE CONFIGURATION TO USE	9
8. OPERATIONS	10
8.1. Control of the Unit	10
8.2. Updating the Firmware to the Latest Version	11
8.3. Downloading the Log File	12
8.4. Downloading or Uploading the Configuration File	13
8.5. Converting the Log File	15

1. GENERAL DESCRIPTION

You can perform the following operations by connecting a PC to the A-3600D Series PA amplifier (hereinafter referred to as the unit) via a network.

- Control of the unit ([p. 10](#))
- Firmware update to the latest version ([p. 11](#))
- Log file download ([p. 12](#))
- Configuration file download/upload ([p. 13](#))
- Log file conversion (binary format to text format) ([p. 15](#))

2. SYSTEM REQUIREMENTS

The table below shows the operation requirements for PC's software. Use the hardware on which this software works.

OS	Windows 10 Pro (64-bit)
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Note

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

3. HANDLING PRECAUTIONS

This software is designed to perform the settings and controls of the unit through a LAN (Local area network). It is not possible to set or control the unit via the Internet.

4. BEFORE USE

When you decompress the downloaded file, a folder containing the software is created. The folder can be located anywhere.

Note

Do not change the file configuration in the folder.

5. OPERATION SCREEN DESCRIPTION

The screenshot shows the 'Package Amplifier Utility Application' window, version 1.0.1.0. It features several sections: 'Communication Setting' and 'Communication Check' buttons at the top; a 'Control' section with 'Power' status (OFF) and an 'ON' button; a 'Reset' button; a 'Firmware' section with a 'Firmware Update' button and a detailed update box showing 'Application : Ver.1.05.00' and 'Updater : Ver.1.01.01'; a 'Log' section with a 'Download Log File' button; a 'Configuration' section with 'Download Config File' and 'Upload Config File' buttons; a 'Log File Convert' section with 'Browse...' buttons for input and output files, a time zone dropdown set to 'UTC+09:00 Tokyo Standard Time', and a 'Conversion' button. Red numbered circles (1-17) are placed over specific UI elements as described in the accompanying text.

(1) Communication Setting button [Communication Setting]

Sets the communication connection destination.

(2) Communication Check button [Communication Check]

Click this button to perform the connection check.

When the connection is confirmed, the current firmware information is displayed in the Operation result display field (3).

(3) Operation result display field

The operation result by this software is displayed.

(4) Power status indication [Power]

Indicates the power status of the connected unit. The power status switches between ON and OFF each time the Power ON/OFF button (5) is clicked.

ON: Power ON state

OFF: Power OFF state

(5) Power ON/OFF Button [ON/OFF]

Switches the connected unit's power ON and OFF.

- (6) Device reset button [Reset]**
Resets the connected unit.
- (7) Firmware Update button [Firmware Update/Enforced Firmware Update]**
Updates the firmware to the latest version.
- (8) Latest firmware version information [Update to]**
Displays the latest version information of the firmware to be updated to when the Firmware Update button (7) is clicked. It cannot be changed.
- (9) Log file download button [Download Log File]**
Downloads the Log file.
Log file extension: .bin
Default file name: A-3600log.bin
- (10) Configuration file download button [Download Config File]**
Downloads the configuration file.
Configuration file extension: .bin
Default file name: A-3600cfg.bin
- (11) Configuration file upload button [Upload Config File]**
Uploads the configuration file.
- (12) Import log file selection button [Browse]**
Selects the log file to be converted to text format of the binary format log files downloaded from the connected unit.
Selectable file extension: .bin
- (13) Import log file name field**
Displays the file name selected with the Input log file selection button (12) in full path name format.
- (14) Export log file selection pulldown menu [Browse]**
Selects the save folder for the text files created after format conversion.
- (15) Export log file name field**
Displays the file name of the text file created after format conversion in full path name format.
File extension: .tsv
- (16) Time zone selection button**
Selects the time zone to convert the date and time information of the log file.
- (17) Log file conversion button**
Converts the log file.

6. CONNECTIONS

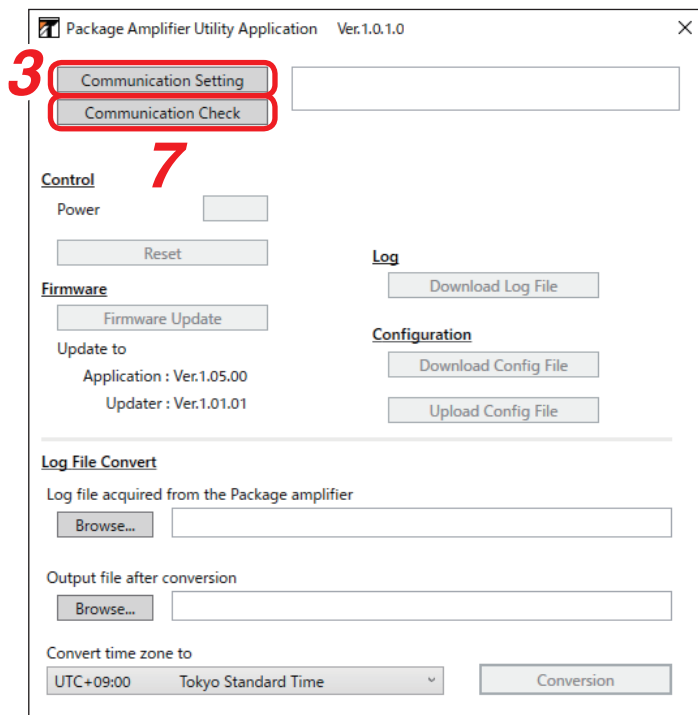
Step 1. Connect the unit and a PC to the same network.

Step 2. Double-click UtilityApp.exe in the folder containing the software to start the software.

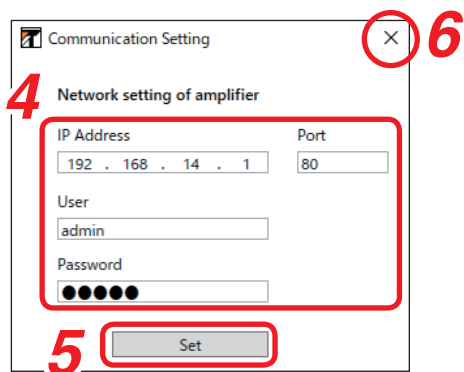
Note

Double startup is not allowed.

The screen below is displayed.



Step 3. Click the Communication Setting button.
Communication Setting screen is displayed.



Step 4. Enter the IP address, port number, user name, and password of the unit.

Note

It is not possible to connect the PC to multiple devices at the same time.

Tip

The factory default settings are as follows.

IP address: 192.168.14.1

Port number: 80

Username: admin

Password: guest

Step 5. Click the Set button.

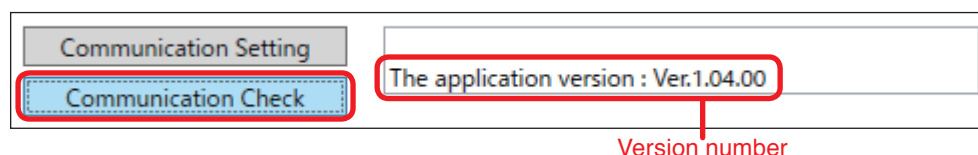
The connection settings are reflected.

Step 6. Click the "x" button in the upper right corner of the Communication Setting screen.

The Communication Setting screen is closed.

Step 7. Click the Communication Check button to confirm the connection.

When the connection has been established, the firmware version number appears on the right side of the Communication Check button, making the buttons on the screen effective.

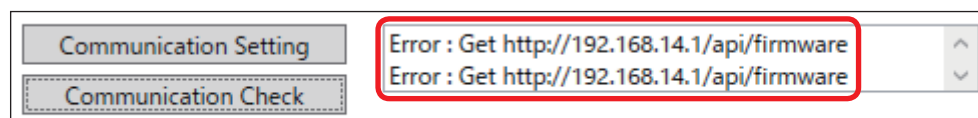


The unit's firmware consists of Application and Updater.

Depending on the firmware version of the unit, there is the case that the Application version number only or both Application and Updater version numbers are displayed in the Operation result display field.

Note

If the connection has not been established, an Error indication will be displayed on the right side of the Communication Check button, leaving the buttons on the screen ineffective.



In such a case, check the following points.

- Is the LAN cable broken?
If broken, replace it.
- Are the IP address, port number, user name, and password of the connection destination correct?
If incorrect, correct it.

If there is no problem after checking the above two points, clicking the Firmware Update button may allow the firmware update, solving the problem. (Refer to [the next page.](#))

Communication Setting

Communication Check

The application version : Ver.1.04.00

Control

Power OFF ON

Reset

Firmware

Firmware Update

Update to

Application : Ver.1.05.00

Updater : Ver.1.01.01

Log

Download Log File

Configuration

Download Config File

Upload Config File

Firmware Update button

When the firmware update has been successfully done, click the Communication Check button again.

If the firmware cannot be updated or the error still remains, contact your nearest TOA dealer.

7. FILE CONFIGURATION TO USE

The files handled with this software have the following structure.

Log file	Configuration file
Device configuration information	Device configuration information
Log information	

The log file consists of device configuration information and log information, and the configuration file consists of device configuration information only.

The device configuration information in the log file and that in the configuration file have the same structure. Also, the extension of both the log file and the configuration file is ".bin".

Contents recorded in the device configuration information

Information to be reflected in the settings of the unit when uploaded	<ul style="list-style-type: none">• Software master volume setting• Software master volume setting value retention setting• EQ setting• Priority broadcasting function settings• Network settings• Zone control method setting
Information not to be reflected in the settings of the unit even if uploaded	<ul style="list-style-type: none">• Hardware information of the unit• Firmware version• Power ON/OFF state• Zone selection status• Standard mode/manual mode selection status• Status of each switch• Status of each volume• Log data

Note

Log files or configuration files converted to text format using this software cannot be converted back to binary format. You need to edit the device configuration contents via a browser.

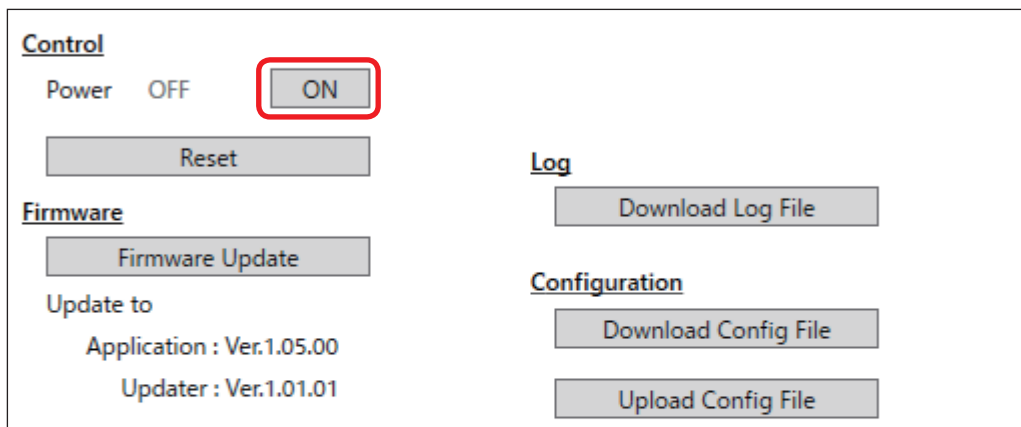
For the operation via a browser, refer to the separate Setting manual*.

* You can download the Setting manual from the TOA DATA Library (<https://www.toa-products.com/international/>).

8. OPERATIONS

8.1. Control of the Unit

8.1.1. Turning ON or OFF the unit's power



The screenshot shows a web interface with several sections. The 'Control' section at the top left contains a 'Power' status indicator showing 'OFF' and a button labeled 'ON' which is highlighted with a red rectangular box. Below the 'Power' indicator is a 'Reset' button. To the right of the 'Control' section is a 'Log' section with a 'Download Log File' button. Below the 'Reset' button is a 'Firmware' section containing a 'Firmware Update' button. To the right of the 'Firmware' section is a 'Configuration' section with 'Download Config File' and 'Upload Config File' buttons. Below the 'Firmware Update' button, the text 'Update to' is followed by 'Application : Ver.1.05.00' and 'Updater : Ver.1.01.01'.

Step: Click the Power ON/OFF button.

When "ON" is displayed on the Power ON/OFF button:

Clicking it turns ON the unit's power, making the Power status indication "ON."

When "OFF" is displayed on the Power ON/OFF button:

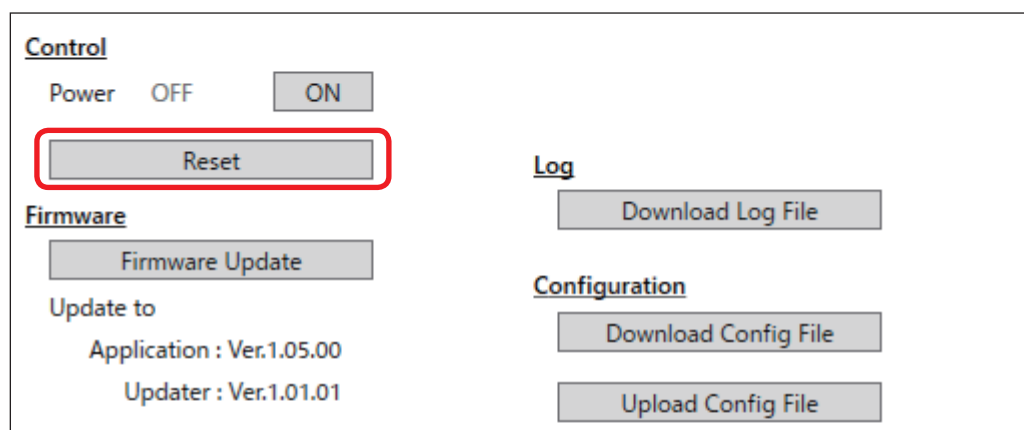
Clicking it turns OFF the unit's power, making the Power status indication "OFF."

8.1.2. Resetting the unit

Reset the unit.

Note

During the reset, broadcast from the unit will stop.



The screenshot shows the same web interface as before. In this view, the 'Reset' button in the 'Control' section is highlighted with a red rectangular box. The 'Power' status indicator now shows 'ON'. The 'Log' section, 'Firmware' section, and 'Configuration' section remain visible with their respective buttons and text.

Step: Click the Device reset button.

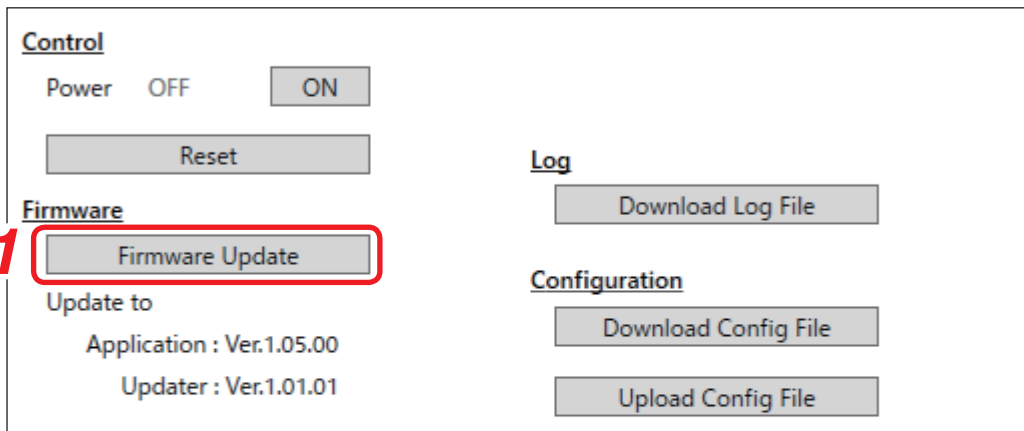
The unit will be reset.

8.2. Updating the Firmware to the Latest Version

Update the firmware to the latest version.

Note

While the firmware is being updated, broadcast from the unit will stop.



The screenshot displays a web-based control interface for a device. It is organized into several sections:
 - **Control**: Includes a 'Power' status (OFF) and an 'ON' button, and a 'Reset' button.
 - **Firmware**: Contains a 'Firmware Update' button, which is highlighted with a red rectangular box and a large red number '1' to its left. Below this button, it shows 'Update to' information: 'Application : Ver.1.05.00' and 'Updater : Ver.1.01.01'.
 - **Log**: Features a 'Download Log File' button.
 - **Configuration**: Includes 'Download Config File' and 'Upload Config File' buttons.

Step 1. Click the Firmware Update button.

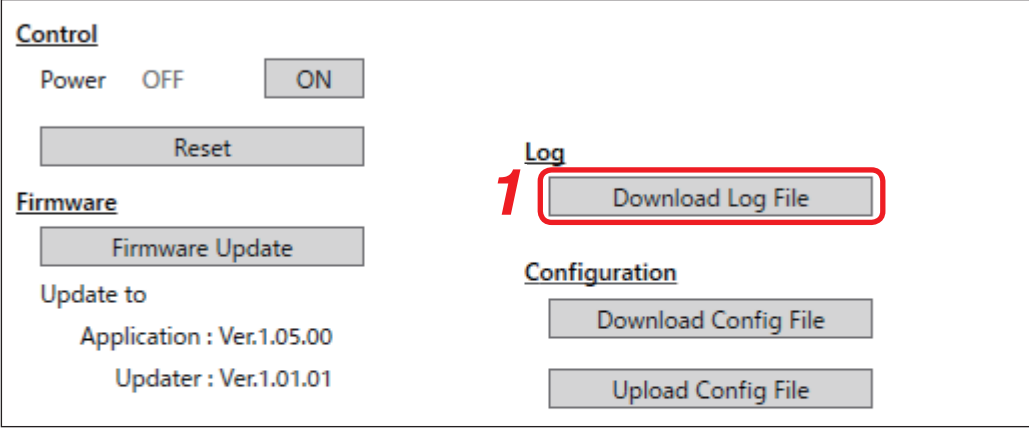
The firmware will be updated to the version displayed in the Latest firmware version information. When the update is complete, a confirmation dialog will be displayed.

Tip

Depending on the version of the unit's firmware, the number of reboots may be once or twice while the firmware is being updated.

Step 2. Click the OK button.

8.3. Downloading the Log File



The screenshot displays a web-based control interface for a device. It is organized into several sections:
 - **Control**: Includes a 'Power' status (OFF) and an 'ON' button, a 'Reset' button, and a 'Firmware' section with a 'Firmware Update' button.
 - **Update to**: Shows 'Application : Ver.1.05.00' and 'Updater : Ver.1.01.01'.
 - **Log**: A red number '1' is placed to the left of the 'Download Log File' button, which is also enclosed in a red rectangular box.
 - **Configuration**: Contains 'Download Config File' and 'Upload Config File' buttons.

Step 1. Click the Log file download button.
The Explorer screen is displayed.

Tip

The file name of the displayed log file is "A-3600log.bin" by default.
Change it as needed.

Step 2. Select the save destination folder, then click the Save button.
The log file of the unit is exported in binary format (extension: .bin) and saved.

Tips

- Even if the log file is exported, the log data in the unit will not be deleted.
- You can check the contents of the exported log file by converting it to text format. For the conversion method, refer to ["Converting the Log File" on p. 15](#).

8.4. Downloading or Uploading the Configuration File

8.4.1. Downloading the configuration file

The screenshot shows a web-based configuration interface for a device. It is divided into three main sections: Control, Log, and Configuration. The Control section includes a Power toggle (OFF/ON) and a Reset button. The Log section has a Download Log File button. The Configuration section, which is the focus, contains a Download Config File button (highlighted with a red box and a red number 1) and an Upload Config File button. Below the Configuration section, there is a Firmware Update section with a Firmware Update button and version information: Application : Ver.1.05.00 and Updater : Ver.1.01.01.

Control	Log	Configuration
Power OFF <input type="button" value="ON"/>	<input type="button" value="Download Log File"/>	1 <input type="button" value="Download Config File"/>
<input type="button" value="Reset"/>		<input type="button" value="Upload Config File"/>

Firmware

Update to
Application : Ver.1.05.00
Updater : Ver.1.01.01

Step 1. Click the Configuration file download button.
The Explorer screen is displayed.

Tip

The file name of the displayed configuration file is "A-3600cfg.bin" by default.
Change it as needed.

Step 2. Select the save destination folder, then click the Save button.
The configuration file of the unit is exported in binary format (extension: .bin) and saved.

8.4.2. Uploading the Configuration File

The screenshot shows a web interface for device control. It is divided into three main sections: Control, Log, and Configuration. The Control section has a 'Power' label with 'OFF' and 'ON' buttons, and a 'Reset' button. The Log section has a 'Download Log File' button. The Configuration section has a 'Download Config File' button and an 'Upload Config File' button, which is highlighted with a red box and a red number '1'. Below the Firmware Update button, there is text indicating the current version: 'Application : Ver.1.05.00' and 'Updater : Ver.1.01.01'.

Control

Power OFF

Firmware

Update to

Application : Ver.1.05.00

Updater : Ver.1.01.01

Log

Configuration

1

Step 1. Click the Configuration file upload button.
The Explorer screen is displayed.

Step 2. Select the file to upload, then click the Open button.
The selected configuration file will be uploaded to the unit.

Notes

- File in text format cannot be uploaded.
- Broadcast from the unit will stop while the configuration file is being updated.
- When the upload is complete, the unit automatically restarts.

Tip

You can also select a log file and upload it.

In this case, only the device configuration information recorded in the log file will be uploaded.
The log information will not be overwritten.

8.5. Converting the Log File

Convert the log file downloaded from the unit to text format.

Notes

- The date and time information in the log file is only a guide.
- If no log has been acquired during energization, the log file for this period will not contain the date and time information.

Tip

Log file conversion is possible even when a PC is not connected to the unit (offline state).

The screenshot shows a 'Log File Convert' dialog box. It has two text input fields for file names, a dropdown menu for time zone, and a 'Conversion' button. Red annotations and numbers highlight the following elements:

- 1**: A red box around the 'Browse...' button next to the 'Log file acquired from the Package amplifier' field.
- Import log file name field**: A red line pointing to the text input field for the source log file.
- Export log file name field**: A red line pointing to the text input field for the output file.
- 3**: A red box around the time zone dropdown menu, which currently shows 'UTC+09:00 Tokyo Standard Time'.
- 4**: A red box around the 'Conversion' button.

Step 1. Click the Import log file selection button.
The Explorer screen is displayed.

Step 2. Select the log file to convert, then click the Open button.
The log file to convert is selected and the file name is displayed in the Import log file name field in full path name format.
In addition, the converted file name is displayed in the Export log file name field in full path name format. The converted file will be saved in the same folder as that where the selected log file is saved.

Note

Only binary format files with the extension ".bin" can be selected.

Tips

- It is also possible to select the configuration file and create a configuration file in text format.
- You can change the save location and file name after conversion.
Change the save location on the Explorer screen that is displayed when you click the Export log file selection button.
As to the file name, change the name displayed in the Export log file name field.

Step 3. Click the Time zone selection pulldown menu to change the time zone as needed.

Step 4. Click the Log file conversion button.
A file in text format is created.

