

# Multifunction Analyzer Release Note

Date: 27-June-17  
Sohwa & Sophia Technologies Inc.

This release note applies to the Multifunction Analyzer and contains updated information as follows:

<b>Product number</b>	<b>Product name</b>	<b>Latest Version</b>
MA0001	Multifunction Analyzer	1.9 (Built: 6/23/2017)

## **Updates from version 1.8 to version 1.9 (Built: 6/23/2017)**

- (1) Able to support Windows10 (32Bit Edition, 64bit Edition).
- (2) Able to support Windows8.1 (32Bit Edition, 64bit Edition).

## **Updates from version 1.7 to version 1.8 (Built: 10/5/2015)**

- (1) Multifunction Analyzer is connected as Human Interface Devices. In Device Manager, Multifunction Analyzer is displayed as “HID-compliant device” and “USB Input Device” In “Human Interface Devices” tree.

## **Updates from version 1.6 to version 1.7 (Built: 6/23/2014)**

- (1) Added Status Display below Monitor in Waveform Observation window.
- (2) Multiple applications are allowed to start up. And, each application can be connected to each Multifunction Analyzer.
- (3) Fixed a problem that Logic Analyzer data cannot be scrolled without measurement.
- (4) Added a command which exports Logic Analyzer data to CSV format file to automatic report creation.
- (5) Fixed a problem that the device information is displayed incorrectly when Multifunction Analyzer is connected by network.
- (6) Add the available Pattern Generator data rates and ranges for units in the help file. And, fixed the explanation for data rate correction.

## **Updates from version 1.5 to version 1.6 (Built: 4/29/2014)**

You should reset the menu in the application in order to apply the item (11) and the item (12). After installing the application, select the menu item “View” -> “Tool Bar” -> “Customize...”, then open Customize dialog. Next, select Menu tab and click Reset button in Application Frame Menus group box. Please note that your all customization will be removed after that.

- (1) Changed the low level line of the digital waveform to thick line.
- (2) Fixed a problem that the controls were not located correctly when the text size of Windows is changed from the default.
- (3) Fixed a problem that you could not disconnect the device when you executed “All Stop” command or “[Simplified Power Supply] Stop” command in Auto Report

- Creation without starting Simplified Power Supply.
- (4) The Maintenance Expiry Date of the device was also displayed on Version information and a device information dialog.
  - (5) Fixed a tab order in Internal trigger group box on Waveform observation setting window.
  - (6) Added explanation of the MATH button of a Waveform Observation window in the online help.
  - (7) The context menu could not be opened outside the monitor on Waveform Observation window.
  - (8) Added "Copy to clipboard" item to the context menu in the monitor on the Waveform Observation window.
  - (9) The size of monitor of a Waveform Observation window was fixed.
  - (10) Fixed a problem that the DMM LED on the device did not turn off when you exited the application while you used the Digital Multimeter.
  - (11) Remove "Multifunction Analyzer" from "Version, Device Information Multifunction Analyzer" item in Help menu.
  - (12) Changed the menu items below in "File" -> "Export" menu.
    - From "CSV" to "Logic analyzer data->CSV"
    - From "PNG" to "Waveform observation window->PNG "
  - (13) Fixed a problem that the message "SSS expires within 10 days." was displayed if your license was expired.
  - (14) Fixed other minor problems.

#### **Updates from version 1.4 to version 1.5 (Built: 2/17/2014)**

- (1) Added a function that keeps the last output data on the pattern generator.

#### **Updates from version 1.3 to version 1.4 (Built: 2/12/2014)**

- (1) Fixed a problem that internal trigger patterns aren't applied when you select in a combo box.
- (2) All menu items are displayed.
- (3) Removed the waveform interpolation commands.
- (4) Removed the plus sign from resistance values on the digital multi meter.
- (5) Show "OVER" as values on the digital multi meter if values are out of accuracies.
- (6) Fixed the maximum data rate from 100msec to 10msec on the pattern generator in the help file.
- (7) Fixed a problem that sometimes a message " Measurement was not able to be started. : The device is doing something else." is appeared and auto report creation is stopped when Waveform Observation Start command is executed after executing Waveform Observation Stop command or Stop All command.

#### **Updates from version 1.2 to version 1.3 (Built: 12/2/2013)**

- (1) Fixed a problem that a message "Unspecified error" is appeared and Multifunction Analyzer doesn't connect to the application when Multifunction Analyzer connects to PC and turns on.

#### **Updates from version 1.1 to version 1.2 (Built: 5/9/2013)**

- (1) Changed the stop action in the waveform observation. In single mode and normal mode, updating waveform doesn't occur when a trigger occurs by stop operation. In auto mode, updating waveform occurs by force trigger when a waveform has not been appeared.
- (2) Fixed a problem that the information about V cursors in the status display isn't updated when you change an H range during the observation.
- (3) Fixed a problem that the last changes on buses is not displayed.

- (4) Fixed a problem that an H range and a trigger position aren't restored when a setting file is loaded.
- (5) Fixed a problem that a waveform isn't updated only once when an H range is changed during the observation.
- (6) Changed the unit of a frequency between V cursors when it is under 1 or over 1000.
- (7) Fixed a problem that a procedure which is next to deleted procedure is moved to the first in the auto report creation window.
- (8) Fixed a problem that the duty ratio is reversed when a waveform is changed in the function generator.
- (9) Fixed a problem that a string is cut in the status display during waiting for the trigger.
- (10) Added a feature that you can select a UI language in the installer. If you change a UI language, a menus or toolbars you changed or created might be deleted or not be updated.

**Version 1.1 (Built: 4/8/2013)**

Initial version.