

# Simple Guide to Using Waveform Patterns

Vector Signal Generator MG3710A/MG3710E

Analog Signal Generator MG3740A

This guide explains the Vector Signal Generator MG3710A/MG3710E and Analog Signal Generator MG3740A (with Digital Modulation option) procedures for copying and loading waveform patterns and selecting the signal for output.

[Flow using Waveform Pattern]

- ① Copy the new waveform patterns from external memory to the main unit hard disk.
- ② Load the waveform patterns to be used from the main unit hard disk to the main unit waveform memory.
- ③ With the waveform patterns loaded in waveform memory, select one to output.
- ④ Set the frequency and level.
- ⑤ Enable (On) modulation and output.

This guide explains the simple measurement procedures, and other operations are set in a similar manner. For details, read the following sections in the operation manual.

**MG3710A/MG3710E Vector Signal Generator MG3740A Analog Signal Generator  
Operation Manual**

**Chapter 4 Frequency**

**Chapter 5 Output Level**

**Chapter 7 Modulation**

**7.3.6 Copying external waveform pattern: Copy**

**7.3.4 Loading waveform pattern: Load**

**7.3.5 Selecting output waveform pattern: Select**

# ① Copy: Copy from external memory to main unit hard disk

[Procedure] Copy the waveform patterns (with both .wvi and .wvd extension) to root of the USB memory stick.

- ① Insert the USB memory stick into the MG3710A/MG3710E/MG3740A.
- ② Press [Mode].
- ③ Press [F6: Copy].
- ④ Press [F1: Drive] to set the USB memory drive letter.  
[↑] Return to screen 1 (\*: Button at bottom right of F8)
- ⑤ Select the target from Packages by touching at the screen bottom left.
- ⑥ Select the target from Patterns in Package by touching at the screen bottom center.
- ⑦ Press [F6: Copy Pattern] or [F7: Copy All Patterns].  
(To overwrite, press [F7: Confirm overwriting].)



③



④



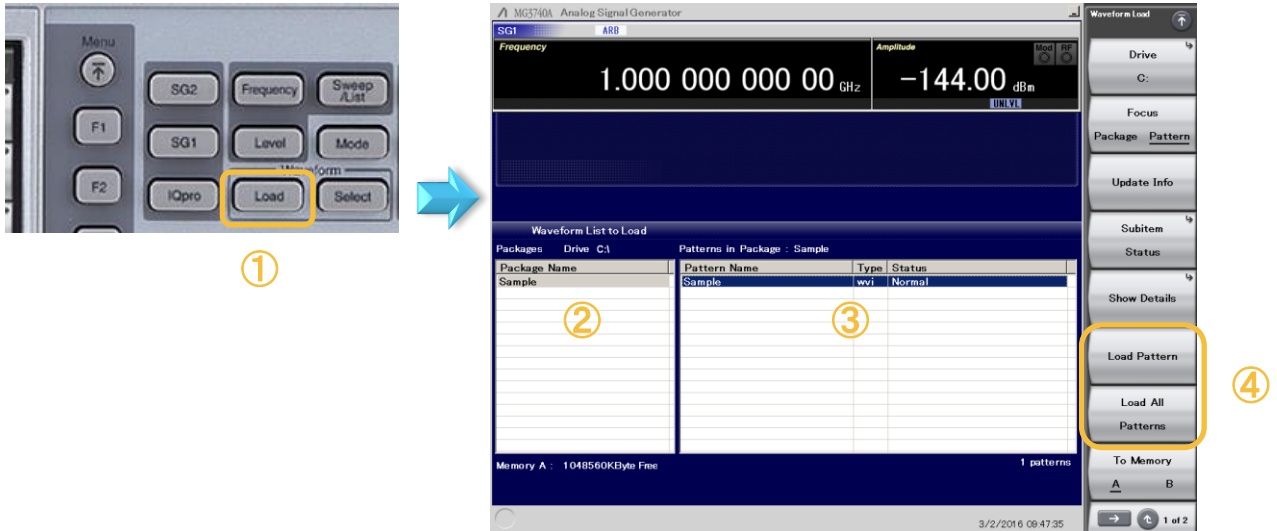
⑤

⑧

## ② Load: Load from main unit hard disk to main unit waveform memory

[Procedure]

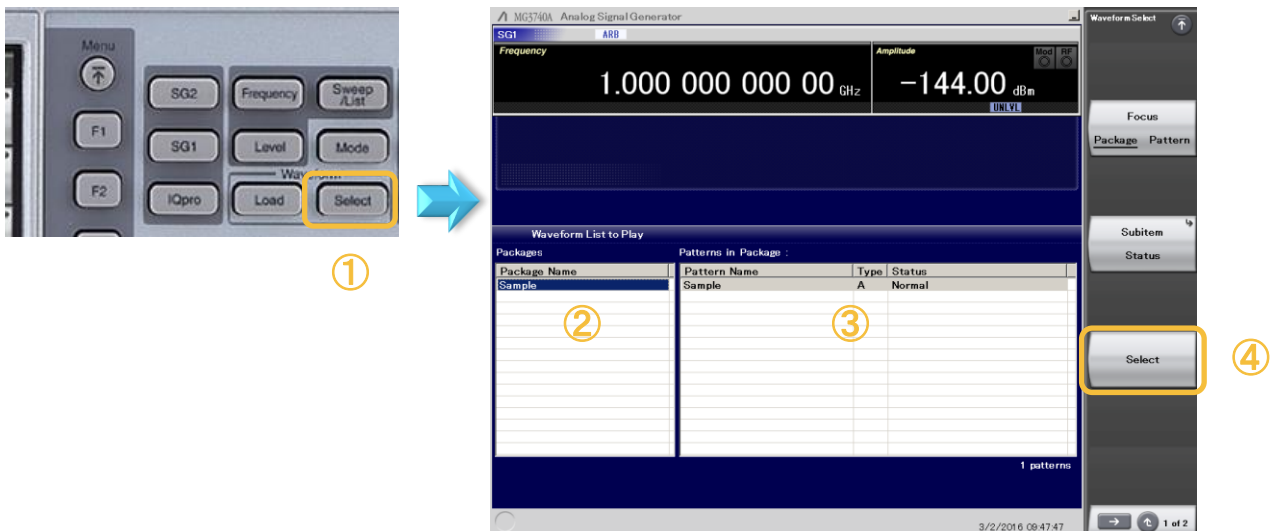
- ① Press [Load].
- ② Select the target from Packages by touching at the screen bottom left.
- ③ Select the target from Patterns in Package by touching at the screen bottom center.
- ④ Press [F6: Load Pattern] or [F7: Load All Patterns].  
(To overwrite, press [F7: Confirm overwriting].)



## ③ Select: Select waveform pattern from main unit waveform memory

[Procedure]

- ① Press [Select].
- ② Select the target from Packages by touching at the screen bottom left.
- ③ Select the target from Patterns in Package by touching at the screen bottom center.
- ④ Press [F6: Select].



## ④ Set frequency and level

[Procedure] Frequency (Ex. 1 GHz)

- ① Press [Frequency].
- ② Press [1] at ten keypad and press [F1: GHz].



[Procedure] Level (Ex. -10 dBm)

- ① Press [Level].
- ② Press [-10] at ten keypad and press [F1: dBm].



## ⑤ Enable (On) modulation and output

[Procedure]

- ① [Mod On/Off] On = Green \*Modulation on at green and off when LED off
- ② [SG On/Off] On = Orange \*Signal output at orange and not output when LED off

