

AFG1062 Arbitrary Function Generator

Version 1.1.0 Firmware Release Notes

Keithley Instruments
28775 Aurora Road
Cleveland, Ohio 44139
1-800-833-9200
tek.com/keithley

CONTENTS

GENERAL INFORMATION.....	2
INSTALLATION INSTRUCTIONS.....	2
VERSION 1.1.0 RELEASE NOTES	3
VERSION 1.0.9 RELEASE NOTES.....	4
VERSION 1.0.6 RELEASE NOTES.....	5
VERSION 1.0.5 RELEASE NOTES.....	6
VERSION 1.0.4 RELEASE NOTES.....	7
VERSION 1.0.3 RELEASE NOTES.....	8
VERSION 1.0.2 RELEASE NOTES.....	9



GENERAL INFORMATION

SUPPORTED MODELS

This firmware is used on the following Keithley Instruments product models

AFG1062 Arbitrary Function Generator

INSTALLATION INSTRUCTIONS

AFG1000 SERIES FIRMWARE UPGRADE PROCEDURE

Instructions are detailed in the included document:

`AFG1000-series-firmware-upgrade-procedure.pdf`

This firmware can only be used in AFG1062 instrument.

No calibrations are required after installing this firmware update.

VERSION 1.1.0 RELEASE NOTES

OVERVIEW

Version 1.1.0 is an internal maintenance release of the AFG1062 firmware. This release does not include any critical fixes or enhancements.

VERSION 1.0.9 RELEASE NOTES

OVERVIEW

Version 1.0.9 is a maintenance release of the AFG1062 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	AR-62341
Symptom:	Pulse duty cycle is stuck on 50% in burst mode even when the user attempts to change it.
Resolution:	This issue has been corrected.
Reference number:	AR-62464
Symptom:	Cycle counts larger than 65000 in burst mode is incorrect.
Resolution:	This issue has been corrected.

NON-CRITICAL FIXES

There were no non-critical fixes included in this release.

ENHANCEMENTS

There were no enhancements included in this release.

VERSION 1.0.6 RELEASE NOTES

OVERVIEW

Version 1.0.6 is a maintenance release of the AFG1062 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	Optimize output signal when trigger source is manual or external in burst mode.
Resolution:	This issue has been corrected.

NONCRITICAL FIXES

There were no non-critical fixes included in this release.

ENHANCEMENTS

There were no enhancements included in this release.

VERSION 1.0.5 RELEASE NOTES

OVERVIEW

Version 1.0.5 is a maintenance release of the AFG1062 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	Fail to output arb waveform in burst mode.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Malfunctioning phase align in burst mode.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	DC offset inconsistency with other waveforms.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Malfunctioning HFR.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Abnormal arb output under certain situations.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Thumbnail doesn't reflect the change of settings.
Resolution:	This issue has been corrected.

NONCRITICAL FIXES

There were no non-critical fixes included in this release.

ENHANCEMENTS

There were no enhancements included in this release.

VERSION 1.0.4 RELEASE NOTES

OVERVIEW

Version 1.0.4 is a maintenance release of the AFG1062 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	[SOURce[1 2]]:PHASe[:ADJust] cannot work in burst mode.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Trigger level is not correct in sweep mode.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Optimize the waveform quality of arbitrary waveform.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Optimize counter function.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Support more PI Commands.
Resolution:	This issue has been corrected.

NONCRITICAL FIXES

There were no non-critical fixes included in this release.

ENHANCEMENTS

There were no enhancements included in this release.

VERSION 1.0.3 RELEASE NOTES

OVERVIEW

Version 1.0.3 is a maintenance release of the AFG1062 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:

Symptom:	Support "data:data? emem" Command.
-----------------	------------------------------------

Resolution:	This issue has been corrected.
--------------------	--------------------------------

NONCRITICAL FIXES

There were no non-critical fixes included in this release.

ENHANCEMENTS

There were no enhancements included in this release.

VERSION 1.0.2 RELEASE NOTES

OVERVIEW

Version 1.0.2 is a maintenance release of the AFG1062 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	Upgrade align phase function.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Save user settings(.tfs) to the instrument.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	copy user waveforms(.tfw) from USB disk to the instrument
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Upgrade the FAT16 file system support of the USB memory.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Add more SCPI commands(see programming manual for details).
Resolution:	This issue has been corrected.

NONCRITICAL FIXES

There were no non-critical fixes included in this release.

ENHANCEMENTS

There were no enhancements included in this release.