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GENERAL INFORMATION

SUPPORTED MODELS

This firmware is used on the following Keithley Instruments product models

AFG1022 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 AFG1022 instrument.

No calibrations are required after installing this firmware update.

VERSION 1.2.7 RELEASE NOTES

OVERVIEW

Version 1.2.7 is a maintenance release of the AFG1022 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	AR-62266
Symptom:	Logarithmic Frequency behavior as function of time remains linear in Sweep Mode.
Resolution:	This issue has been corrected.
Reference number:	AR-62334
Symptom:	Glitches appear in Burst mode when changing the start phase using the knob on the instrument.
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 1.2.4 RELEASE NOTES

OVERVIEW

Version 1.2.4 is a maintenance release of the AFG1022 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	DC offset does not align with other waveform shapes.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	CH1 Amplitude will change when CH2 Load impedance is changed.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	The DC function needs to be optimized,
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 1.2.3 RELEASE NOTES

OVERVIEW

Version 1.2.3 is a maintenance release of the AFG1022 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:	SOURCE1:FUNCTION USER can support up to 8192 points.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Counter function needs to be optimized.
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 1.2.2 RELEASE NOTES

OVERVIEW

Version 1.2.2 is a maintenance release of the AFG1022 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	Support 'data:data? emem' PI 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 1.2.1 RELEASE NOTES

OVERVIEW

Version 1.2.1 is a maintenance release of the AFG1022 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.
Reference number:	
Symptom:	Optimize the font style.
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 1.1.2 RELEASE NOTES

OVERVIEW

Version 1.1.2 is a maintenance release of the AFG1022 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	Enhance calibration method.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Fix UI bugs.
Resolution:	This issue has been corrected.
Reference number:	
Symptom:	Enhance PI Command compatibility,
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 1.1.1 RELEASE NOTES

OVERVIEW

Version 1.1.1 is a maintenance release of the AFG1022 firmware. This release includes the following critical fixes.

CRITICAL FIXES

Reference number:	
Symptom:	Improve compatibility with Smart Lab.
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.