

**WFM4000 and WFM5000
Waveform Monitors
Release Notes**

www.tektronix.com



077-2444-04

Tektronix

Copyright © Tektronix. All rights reserved. Licensed software products are owned by Tektronix or its subsidiaries or suppliers, and are protected by national copyright laws and international treaty provisions.

Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specifications and price change privileges reserved.

TEKTRONIX and TEK are registered trademarks of Tektronix, Inc.

Contacting Tektronix

Tektronix, Inc.
14150 SW Karl Braun Drive
P.O. Box 500
Beaverton, OR 97077
USA

For product information, sales, service, and technical support:

- In North America, call 1-800-833-9200.
- Worldwide, visit www.tektronix.com to find contacts in your area.

Release Notes

This document supports software version 3.2.6 of the WFM4000 and WFM5000 Waveform Monitors.

This firmware package replaces the previous version (3.2.5) and fixes a problem in the upgrade process.

Once the unit has been upgrade to version 3.2.6, you should not reinstall an earlier version of firmware.

Undocumented Features

If you want to clear the last saved preset and restore factory preset at boot-up, do the following. First, remove power from the unit. Next, apply power and press the power button. Wait for the MAG button light to go out, then press and release the MAG button once. This causes the power-on preset to be returned to the factory preset. Once boot-up is complete and normal operation is restored, press and hold the power button to save the current state as the latest preset.

Known Issues and Behaviors

The following pages describe known issues and behaviors of the waveform monitors. Topics are listed in alphabetical order.

Audio Display

The Lissajous display may show no data at power on if the AGC is disabled. Enable the AGC to correct this condition. You can do this from the CONFIG > Digital Audio Displays > Lissajous AGC menu.

External Reference

- When the instrument is in the EXT REF mode, the display may appear stable after the external reference is lost, but some displays may be altered. When using this mode, verify that the status bar does not indicate a “loss of lock”.
- Note that the SDI Input Readout can be used to determine if the waveform is locked.
- When in SDI mode, but with no SDI input signal present, the screen displays Ref: Ext Unlocked even though a valid External Reference signal is connected.
- The following External Reference signal formats are not fully supported when in line select mode or in Sweep MAG mode. Although not supported, the following formats may be somewhat functional and are not locked out:

NTSC and PAL with tri-level input, and 720p 23.98, 1080sf 29.97, 720p 24, 1080sf 30, 720p 25, and 1080sf 25.

- With some combinations of SDI input and External Reference formats, the sweep stops prematurely when Sweep MAG is on in one-line mode. To work around this limitation, turn off EXT REF to make the measurement.

Freeze

- The picture may have errors if you turn the Picture frame to OFF on a frozen picture. To avoid these errors, turn the picture frame off before freezing the image.
- Delete frozen images using the display pop-up menu from which you froze them. For example, if you freeze a Picture display and then want to delete the frozen image, do so from the Picture pop-up menu.

Incompatible Operation

When applying SD or HD signals to any monitor that does not support them, the unit indicates that the signal input is not standard. Applying unsupported video signals may result in a frozen PICT display.

Line Select

When the Split Diamond display is active, the Line Select readout may not display correctly when you switch between SDI A and SDI B inputs. If this happens, toggle Line Select off and on to restore the readout.

Preset Import

When importing presets from a Tektronix waveform monitor other than a WFM4000 or WFM5000, the default display will be the Waveform Display screen if the imported preset calls for features not in the WFM4000 or WFM5000 instrument.

Sweep

The waveform style must be set to Overlay to get 2 line or 2 field sweep.

Sweep MAG

When in 2 line mode, waveform displays of SD inputs will display invalid information at the left and/or right side of screen (beginning and/or end of sweep) when Sweep MAG is on. HD formats are unaffected.

Thumbnail

When switching between the SDI A and SDI B inputs while the Thumbnail and Line Select modes are enabled, two line select cursors might be displayed on the Thumbnail Display. To correct this, toggle the Line Select off and back on.

- USB**
- Always use the “Unmount USB” menu function to safely remove the USB memory device from the USB port. Failure to do so may result in permanent loss of any files saved on the USB device.
 - If there are more than 32 files saved in a Presets directory on the USB, you can only view the first 32 files.