

USM36 VER 4.5.2 is an upgrade of the software and firmware for USM36, including the fixes described below.

### **USM36 VER 4.5.2 Enhancements and Fixes, Mar 2023**

- Fix the bug that there is no output of the VGA signal after repowering the device.
- Fix the issue that while recalling the dataset file, an error appears when the sound path of one point on DAC curve is above 850mm.
- Append a remote code which transmits the screenshot from SD card through serial port.

### **USM36 VER 4.5.1 Enhancements and Fixes, Oct 2022**

- Fix the quality finding that the right most reading of the ruler covers the ruler ticks, resulting in an incomplete display of the ruler tick.
- Adjust the value of the right most reading of ruler to align with the Range parameter value to avoid the operator's confusion.

### **USM36 VER 4.5.0.2 Enhancements and Fixes, Feb 2022**

- Fix the bug that A-scan flickers randomly and the virtual led flashes sometimes when gate A logic is set to Negative.

### **USM36 VER 4.5.0 Enhancements and Fixes, Apr 2021**

- Rebrand USM36 as a UT standard product from Waygate Technologies.
- Fix the issue that the device shows blurred screen while start up.

### **USM36 VER 4.4.5 Enhancements and Fixes, Aug 2020**

- Fixed a bug that the DGS curve increased or decreased about 10.0 dB in the screen when recalling a dataset file after a DGS reference have been recorded.

### **USM36 VER 4.4.4 Enhancements and Fixes, Aug 2017**

- Updated the sample data of DGS curve to provide a smoother curve when range is larger than 2 meters.
- After loading a dataset file, the original measurement result will be shown on the screen. Once the operator changes the gate settings, the instrument will do re-evaluation based on the stored A-Scan data.
- Added a support of BB filter in DGS mode.
- Fixed an issue of virtual LED which is not correct after loading a dataset file.
- Fixed an issue that a warning message is flashing on the screen when pressing and holding HOME button in frozen mode.
- Fixed an issue of BEA feature in DGS mode.
- Fixed an issue of missing some values in PDF report.

### **USM36 VER 4.4.0 Enhancements and Fixes, Mar 2016**

- Support dataset file operation in internal memory storage.
- Provide a new evaluation mode, API 5UE, according to American Petroleum Institute Recommended Practice.
- Add a new remote code, HV, to read out PCB board version number.
- Support Dutch language in core version.
- Fixed an issue that the selected sub-menu is not shown correctly.
- Fixed an issue that the reading, SCA, SCB, and SBA, in DR grid is not correct.
- Fixed an issue that the stored reference value can't be removed.
- Fixed an issue that there is a color conflict between the A-Scan/Envelope curve and gate bar.

### **USM36 VER 4.3.1 Fixes, Aug 2015**

- Fixed an issue that the echo amplitude is not correct in frozen mode when the sound path is greater than 1500 mm on a steel part.
- Fixed a parameter compatible issue on remote code, T1.

### **USM36 VER 4.3.0 Enhancements and Fixes, Jun 2015**

- Updated German translation.
- Supported Turkish language.
- Added a new function to format SD card in the instrument.

- Improved the operation performance of video record.
- Supported to delete the last DAC point during recording DAC curve.
- Added a new filter, '0.8- 8 MHz'.
- Added a new range selection, 150 mm.
- Updated DGS curve for SEB4 probe.
- Fixed an issue that the echo amplitude is not correct in frozen mode when the sound path is greater than 1500 mm on a steel part.

### **USM36 VER 4.2.0 Enhancements and Fixes, Apr 2014**

- Updated Japanese translation.
- Involved new FPGA design to improve the base line performance.

### **USM36 VER 4.1.0 Enhancements, Dec 2013**

- Restore the gate-A TOF mode once the reference curve is recorded.
- DISPLAY DELAY is shown in mm/in now.
- The filename entered by the operator is recorded to avoid the loss of content by some wrong operation.
- More function key options to give the operator the capability to change the gate setting by function key.
- New remote codes are added to compatible with USM 35.

### **USM36 VER 4.0.0 Enhancements, Sep 2013**

- New keypad layout and knobs provides simple and efficient operation method.
- New hardware design provides largest viewable A-Scan display.