

Firmware:

Web-IO 4.0 Digital, 1x230V In, 1xRelay Out
Model 57732**Current firmware**

Date	Changes and comments	Revision
December 8, 2023	<ul style="list-style-type: none"> Actions - HTTP requests support preshared bearer tokens. Modbus-TCP - Accessibility for a parallel connection MQTT - Box-to-Box - Outputs from Web-IO A follow Input-Publish from Web-IO B 	1.69 ZIP download

Older firmware

Date	Changes and comments	Revision
March 23, 2023	<ul style="list-style-type: none"> TCP/IP stack - MTU up to max. 1500 possible OPC UA - Problems with Output Pulse Mode fixed Actions - Host name for HTTP requests in the head corrected 	1.66 on request
February 2, 2023	<ul style="list-style-type: none"> Homepage - With showing without menu tree, login as User is also possible TLS/SSL - SNI support (Server Name Indication) activated 	1.65 on request
December 12, 2022	<ul style="list-style-type: none"> IP stack - MTU settable IP stack - Improved processing of fragmented UDP packets System start - When boot error occurs update mode is activated for system restore MQTT - Publish is suppressed when <disable> is entered as payload OPC UA - URI query corrected 	1.64 on request
November 3, 2022	<ul style="list-style-type: none"> DHCP - Processing of the option flags expanded OPC UA - Transfer of application URI corrected Config Upload - Parameter transfer corrected System start - Configuration initialization optimized 	1.63 on request
September 26, 2022	<ul style="list-style-type: none"> Actions - up to 16 outputs on another Web-IO can be switched Actions - placeholders in the HTTP payload are supported Actions - for HTTP-POST without payload a content length of 0 is entered in the header OPC UA - NodeID overview can be recalled OPC UA - your own NodeIDs can be loaded via list OPC UA - setting outputs by writing the CurrentOutputState-Nodes is possible OPC UA - writing the input counters by writing the CurrentInputCounter-Nodes is possible MQTT - QoS2 processing revised Modbus-TCP - diagnostics querying expanded Input-Counter - problems with bi-directional counting fixed System - Config Upload optimized and accelerated <p>Note: If, in the existing configuration, multiple outputs are used in an action, this option must be reset following an update!</p>	1.62 on request
April 5, 2022	<ul style="list-style-type: none"> Passwords - non-allowed characters are rejected Firmware update: Initiating via button in the interface possible Emergency access - missing login page added SNMP - MIBs and OIDs expanded OPC UA - Node-IDs can be modified via list upload Actions - switching of multiple outputs optimized <p>Please use the newest included version of Wutility for the update.</p>	1.56 on request

Date	Changes and comments	Revision
January 11, 2022	<ul style="list-style-type: none"> • HTTPS - Chunked transfer revised • SSL/TLS - Certificate upload now possible again • DHCP - IP assignment with DHCP relays adapted • Boot sector - Emergency access when firmware update is interrupted now revised <p>Please use the newest included version of Wutility for the update.</p>	1.54 on request
October 7, 2021	<ul style="list-style-type: none"> • Outputs - Pulse mode revised • Inputs - Short pulse processing improved • REST - Digest authentication corrected • Homepage - Size of display tiles adjusted • My Web Page - JavaScript optimized 	1.52 on request
August 2, 2021	<ul style="list-style-type: none"> • Actions - HTTP Request Basic Auth. revised • Actions - HTTP Request Digest Auth. revised • Actions - HTTP Request POST revised • Boot Up - Denial of Service by UDP flood blocked 	1.51 on request
May 4, 2021	<ul style="list-style-type: none"> • OPC - OPC UA implemented • TLS - Uploading your own certificates is possible • Actions - REST token timeout adjusted • Actions - REST compatibility improved • Pulse Mode - Internal handling improved 	1.50 on request
August 12, 2020	<ul style="list-style-type: none"> • SSL/TLS - TLS stack expanded with Version 1.2 <p>Reverting to firmware revisions lower than V1.36 is no longer possible after this update!</p> <p>After the update a restart (simple reset) of the Web-IO is required</p> <p>To load this firmware, WuTility must be used in the newest version included!</p>	1.44 on request
July 2, 2020	<ul style="list-style-type: none"> • Socket-API - counterclear - set value corrected • Web-API - counterclear - set value corrected • Web-API - Cross Origin Request expanded • Actions - POST added to HTTP requests • Actions: Token authentication possible with HTTP requests <p>Reverting to firmware revisions lower than V1.36 is no longer possible after this update!</p> <p>After the update a restart (simple reset) of the Web-IO is required</p> <p>To load this firmware, WuTility must be used in the newest version included!</p>	1.43 on request
March 5, 2020	<ul style="list-style-type: none"> • Actions - Cold start as trigger possible again • Actions - Warm start as trigger possible again • SNMP - Indexing problem for actions corrected • MQTT - SSL transmission and Client-ID introduced 	1.39 on request
January 7, 2020	<ul style="list-style-type: none"> • Actions - Digest authentication for HTTP(S) requests revised • Inputs/Outputs - Filter and pulse settings adapted for new hardware drivers 	1.38 on request
December 12, 2019	<ul style="list-style-type: none"> • Downgrade block - JSON enable included • MQTT - Last Will connection topic revised • SNMP - private authentication revised • Date/time - weekday calculation revised • Homepage - Action tiles expanded • Config Up/Down Load - processing accelerated (no more timeout) 	1.37 on request

Date	Changes and comments	Revision
December 2, 2019	<ul style="list-style-type: none"> • SNMP - Time compensation for SNMPv3 corrected • Pulse mode - Dependencies when resetting adjusted • REST - Greater tolerance for upper/lower case in HTTP header fields • Actions - Clear message for counter monitoring added • Actions - Number of possible actions increased to 30 • Actions - For HTTP(S) requests W&T placeholders are accepted • Actions - For HTTP(S) requests greater tolerance for upper/lower case in HTTP header fields • User page - Problems in representing W&T tags fixed • Memory management - used address space expanded 	1.36 on request
August 1, 2019	<ul style="list-style-type: none"> • SNMP - Support of downward compatible OIDs improved • SNMP - Support up to SNMPv3 • Configuration upload - Timeout behavior optimized • Version query expanded • MQTT - Ping timeout corrected • Device registration at W&T possible 	1.35 on request
November 16, 2018	<ul style="list-style-type: none"> • Web-API - Cross origin request can be configured • Rest - Cross original request can be configured 	1.31 on request
October 22, 2018	<ul style="list-style-type: none"> • MQTT - uniform W&T standard topics introduced 	1.29 on request
September 20, 2018	<ul style="list-style-type: none"> • Actions - Triggering by setting counter to zero optimized • Actions - <CR> tag for line skip introduced 	1.27 on request
June 28, 2018	<ul style="list-style-type: none"> • Box-to-Box - Signal detection at start optimized • SNMP - download link for MIB corrected 	1.24 on request
June 4, 2018	<ul style="list-style-type: none"> • SNMP - OIDs from preceding model are accepted • BINARY Client - Server Addr. also configurable as name • Configuration - internal plausibility check 	1.23 on request
March 15, 2018	<ul style="list-style-type: none"> • Actions - Use of host names instead of IP revised • Actions - Sending of SNMP trap texts corrected • Upload of large configuration files improved 	1.22 on request
January 26, 2018	<ul style="list-style-type: none"> • MQTT - Last Will added • Network buffer processing optimized • Actions - TCP message now also permitted on localhost • Outputs - Resetting for pulse revised 	1.21 on request
September 20, 2017	<ul style="list-style-type: none"> • MQTT Publish: QoS can be set • MQTT Publish: Retain can be set • SNMP: UDP ports can be set • Outputs: Inverting revised • Homepage: HTTP(S) communication optimized • Firmware update: internal processes optimized 	1.20 on request
July 20, 2017	<ul style="list-style-type: none"> • Restart behavior when changing the IP parameters corrected • IO processing after restart revised • Pulse mode: Behavior after saving corrected • HTTPS/TLS: Processing of large data blocks optimized • Accuracy of the internal clock improved 	1.18 on request
June 28, 2017	<ul style="list-style-type: none"> • MQTT: ClientID output corrected • MQTT: No publish without message text 	1.17 on request
June 8, 2017	<ul style="list-style-type: none"> • Display of network interruptions on Home • Actions: Output of HTTPS requests added • Actions: Logic in IO combinations revised • Client specifications for MSL/MTU size taken into account • SSL network buffer management optimized 	1.16 on request

Date	Changes and comments	Revision
May 11, 2017	<ul style="list-style-type: none"> • Website callup optimized • Parameter transfer revised • Pulse mode: Reset behavior corrected 	1.15 on request
March 21, 2017	<ul style="list-style-type: none"> • Firmware for the 0 series 	1.14 on request



[We are available to you in person:](#)

Wiesemann & Theis GmbH
Porschestra. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.

[Data Privacy](#)