

## Release notes for the WLX WLAN Bridge

Release	Date	Changes
1.00i	07.09.10	The WLX now accepts an EAP connection, even if no root certificate is stored in the WLX.
1.00k	29.09.10	If the WLX detects that the server certificate does not match, the WLAN-LED will blink "green". Connections via WLAN to the WLX are not possible in this situation. This state of the WLAN Connection is shown at the "Info" web page under "Current link state". Next to this is a link "Accept" to accept the received server certificate until further notice.
1.01a	16.03.11	1) By optimizations the authentication time could be reduced (specifically for EAP-TLS)
		2) Now filters (IP + MAC) can be configured for the LAN side of the WLX
		3) MWLC - Slave and - Master implemented.
		4) To check the root certificate, you can specify a date.
		5) The LAN interface parameters are now manually adjustable.
1.01b	28.03.11	Some AP's offer WPA and WEP methods simultaneously. When the user requests the AP-List from the WLX, the WLX restarts because of this special feature. This problem is now solved with this version.
1.01c	01.04.11	There was a bug in Firmware 1.01b that hinder the config- and monitor function of the WLX, when the mode "hide bridge IP address on WLAN" was active.
1.01d	14.04.11	The function that discards packets received twice, has been optimized.
1.01e	06.06.11	1) CCKM (Cisco Centralized Key Management) has been implemented.
		2) Change in the program for the evaluation of the certificates: The Information element with the ID 0x18 (Generalized Time) is now detected correctly.
1.01f1	05.07.11	1) Optimization of memory management: There was an effect that roaming times for EAP-PEAP (TLS) were slightly extended with every roaming process. This effect is now eliminated.
		2) The setting of the security keys and the output of debug messages has been consistently placed in the thread 0.
1.01f3	11.07.11	Debug messages that were written to the USB port plugged USB stick, created a memory hole. This lets the amount of free memory left to be smaller continuously. This problem is solved.
1.01f4	04.08.11	The 5GHz band rules for Russia has been made equal to the ETSI rules
1.01g	11.10.11	1) USB - Printerserver extension
		2) Bug in serial prt module: The "Delimiter"-Parameter was always active with the value '\0', ever when it was not set. Now this function is active when it is set by the user.
1.01g1	14.10.11	1) USP-Printerserver now with RAW-Service
1.01g2	20.01.12	Bug found in MWLC-Master-Mode.

1.01h2	02.05.12	1) “Save Setup” implemented: With this feature the UCP-Config-Program can transfer a new config to the WLX as a temporarily setup that has to be confirmed after first startup. If the confirmation is missed the former config file will be reactivated.
		2) Power Down LAN Port implemented If this feature is active, the status of the WLAN connection will affect the status of the LAN connections. If the WLAN connection is offline the LAN-Ports of the WLX will “power down”. The intention is that the application of the LAN-Clients can detect the status of the WLAN connection. (very special feature!)
1.01i	05.06.12	Bugfix: a buffer overrun could happen when the WLX runs in a environment where it receives ARP requests form very much different network notes in a short cycle. Then the MAC-memory of the WLX build-in switch collects so much MAC-addresses that a WLX crashes when this MAC-memory is read for example when the “info” website is requested.
1.01i1	12.06.12	The DHCP client now sends a request to the DHCP server with a information field that contains the configured device name.
1.01i4	04.09.12	The function of the relay and the serial port of the WLX can now be used even if the feature “hide own IP address” is active. Relay and the serial port can be addressed over the IP address of the connected LAN client.
1.01j1	07.11.12	added feature “Send ARP Probes”: With this feature the configured static IP address of the WLX can be checked if this is already present in WLAN.
1.01j2	30.11.12	Changes in the management of the WLAN send queue. In the former firmware version the WLAN send queue has been managed by the WLAN-Card. Now the WLAN send queue is under application control. That improves the behaviour of the WLX when it has to roam in situations with poor RF signals.
1.01j3	23.01.13	Bug fixed in the serial port module. If the WLX has a build-in RS485 interface the Comserver Mode does not run correctly.
1.01r	04.09.13	1) new 802.1x mode feature: the WLX can now handle SHA2 coded certificates. 2) Bug fixed in COM-Server-Mode (serial). The RTS- DTR- signal line control now runs correctly. 3) Bug fixed in the bridge module. The forwarding of ARP probes from the LAN-Clients now runs correctly. 4) Bug fixed in the relay module. The control of the relay with active option “Relay Restore” now runs correctly.
1.01s2	11.10.13	1) The LAN-Clients are now shown in the Info-Website with MAC & IP
1.02b	10.02.14	1) A second Root + User Certificate can now be uploaded to the WLX 2) A bug found in processing intermediate certificates 3) The NAT function is now part of the standard firmware for the WLX.

1.02b1	17.02.14	Small corrections to the info web page
1.02d	11.06.14	1) Additional commands added to the telnet interface 2) the telnet interface can now be switched on or off 3) Additional info is send to the UCP-Config-Program to show the status of the NAT configuration.
1.02e	14.07.14	Fixed a bug in the processing of server certificates that have particularly long items of information.
1.02f	02.01.15	Fixed a bug when building the WLX info website. The WLX does a reboot when the NAT-Mode was active and the DHCP-Server was not active.