

Release: 1.3	Date: 20.04.2005
<ul style="list-style-type: none"> • Problem with X.31 Case A (B-Channel) corrected. Startup procedure of X.25 L3 in B-channel is corrected. 	
Release: 1.10	Date: 18.05.2005
<ul style="list-style-type: none"> • ATB42 added. Analog link over IOM-2 bus with BC= Audio 3,1kHz • ATB50..52 added. Supports 2 independent links over the IOM-2 bus. • Control of DCD line with AT&C command (S48) corrected. • AT&C2 command added. (always off) 	
Release: 1.11	Date: 22.06.2005
<ul style="list-style-type: none"> • Enhanced control of 2 independent calls over the IOM-2 bus. • Display of CLP and Called Number in 2 Channel mode. • ATA and ATH command enhanced in 2 Channel mode. • 2 I/O ports for control of B1/B2 inputs for Codec A and B. • Command line termination with CR/LF accepted. (before only CR) • Adds AT\$Z1 and \$Z2 for additional MSN's in Modes ATB50...52. 	
Release: 1.12	Date: 28.06.2005
<ul style="list-style-type: none"> • Control of IO-ports for B1/B2 inputs of Codec A and B corrected. The ports should never have the same levels (high or low). They are X-Ored now. • V.120 protocol corrected. • AT**DTE command and control corrected. Wrong DTE setting. 	
Release: 1.15	Date: 11.07.2005
<ul style="list-style-type: none"> • Improved handling of incoming SETUP. • V.120 protocol improved (ISP links) . • In case of broken S-Bus the message "RELEASE" will be send and DCD will be set off (inactive). • V.120 protocol improved and works with Zyxel modem. • V.120 protocol improved and works now with DIVA card. 	
Release: 1.17	Date: 12.08.2005
<ul style="list-style-type: none"> • Improved Boot-loader and Firmware-loader. • AT**BOOT command added to upgrade the BOOT loader. • AT**FULL command added to upgrade the BOOT loader <u>plus</u> the Firmware. • New boot-loader (V1.17) with improved and corrected functions 	
Release: 1.18	Date: 05.09.2005
<ul style="list-style-type: none"> • Trace functionality and monitoring of S-Bus added. • AT\$T0 = Trace off / AT\$T1 = Trace enabled. • AT\$Tmon63 = Tracing with Text messages. 	

DOC NR. **AL5068S-S00-441**

VERSION	DATE	NAME	REMARKS	PROJECT
138	03.01.08	Bircher	FW Version 1.38	AL5068S
440	28.04.09	Bircher	FW Version 4.40	
441	19.08.09	Bircher	FW Version 4.41	
22.08.09			1	AL5058S-S00-441

Release: 1.21	Date: 12.09.2005
<ul style="list-style-type: none">• Correction in PPP mode. (Escape of Characters <20h).• ACCM option (Async Control Character Map) supported in LPC frames.• Correction in V.120 mode (RTS,CTS flow control improved)	
Release: 1.30	Date: 07.12.2005
<ul style="list-style-type: none">• Corrections in X.31 mode (Flow-control and LLC)• Escape to command mode (+++) in PPP Mode added.	
Release: 1.31	Date: 16.12.2005
<ul style="list-style-type: none">• X.75 Mode added.	
Release: 1.32	Date: 03.01.2006
<ul style="list-style-type: none">• V.110 Mode added.	
Release: 1.33	Date: 18.01.2006
<ul style="list-style-type: none">• GSM to V.110 networking error corrected.	
Release: 1.35	Date: 24.02.2006
<ul style="list-style-type: none">• CONNECT response enhanced with Date / Time (from network).	
Release: 1.36	Date: 16.07.2006
<ul style="list-style-type: none">• ML-PPP supported with different software (V2.36)• Corrections in PPP stack and buffer handling• Corrections at TEI management.• Corrections in Autobaud function. (Echo only AT)• X.75 protocol corrections.	
Release: 1.37	Date: 22.09.2006
<ul style="list-style-type: none">• Improved AT Interface with delay of responses (40mS)• MSN handling corrected.• X.31 (A) protocol corrections.	

Release: 1.38 **Date: 21.11.2006**

- CONNECT message is now completely displayed.
- The MSN is verified now also for Audio calls (was missed before).
- The detection of the services types (BC) is corrected for incoming calls. The acceptance of an incoming call depends now on the modem setting and the incoming service types according to the table below.

<u>Modem Setting:</u>	<u>Accepted Service Types:</u>
Audio 3.1	Audio 3,1 / Speech / Transparent Voice
PPP	PPP / X.25 / V120 / V110 / X.75 / Transparent Data
Speech	Speech / Audio 3.1 / Transparent Voice
Data Transparent	Transparent Data / X.25 / V120/ PPP / V110 / X.75
V.110	V110 / X.25 / V120 / PPP / X.75 / Transparent Data
V.120	V120 / X.25 / PPP / V110 / X.75 / Transparent Data
X.31	X.25 / V120 / PPP / V110 / X.75 / Transparent Data
X.75	X.75 / X.25 / V120 / PPP / V110 / Transparent Data
Voice Transparent	Transparent Voice / Speech / Audio 3,1

Release: 4.40 **Date: 17.03.2009**

- Improved PPP connectivity.
- New command added: AT%R=n (for n = 0...255). If n >0, after n seconds the modem will be rebooted (reset) after each disconnect (hangup). The modem should be left idle after a disconnect to let the reboot take place.
- ATi3 response will now show XMODUS SWISS.
- HDLC protocol added (B-channel). Selected with ATB6 command.
- After loading of this firmware, all parameters are reset to factory default.

Release: 4.41 **Date: 20.07.2009**

- New command added: AT*R will reboot the modem.
- Improvement for Layer 1 chip.