

The AL4200S modem supports now the „Leased Line“ feature using the V.34bis modulation scheme. The firmware version **5.5e** is needed to support this feature. If necessary, the modem should be upgraded using the following firmware file:

Product: AL4200S
 File Name: modem_ag_55e.hex
 Date: 08.11.2007
 SW Version: 5.5e
 Format: Motorola S3 format

The firmware update process is described in the “AL4200S-FLHS-101.pdf” document. To support the leased line mode using the AL4200S modem, the host system must configure the module, monitor the handshake phase and finally monitor the link status.

AT Commands:

AT%T131,0<cr> → Enable leased line Rx mode / go offhook / start generating infoa

AT%T131,1<cr> → Enable leased line Tx mode / go offhook / start generating infoc

Both commands return the „OK“ response. The modems are continuously sending the V.34 handshake symbols (infoa/infoc) until a handshake sequence is started and a connection is established.

Once a connection is established, it will respond with the „CONNECT“ message like regular connections. Use Escape sequence and ATH to break the connection. Notice the far-end modem will respond with „NO CARRIER“ after the call is terminated. Re-entering of the AT%T131,x command to enter next leased line connection after the connection was ended.

If the connection was broken due to broken line (or other disturbance) the modems automatically restarts the handshake phase for 5 seconds. After this timeout, if establishing of a new connection was not possible, the modems are going on-hook and are sending the „NO CARRIER“ message. Re-entering of the AT%T131,x command will start a new leased line connection.

DOCUMENT NR. **AL4200S-LLM-102**

VERSION	DATE	NAME	REMARKS	PROJECT
1	21.07.06	AB	AL4200S Leased Line Mode	AL4200S
2	07.09.2006	AB	AL4200S LL Mode	
3	31.12.2007	Bircher	AL4200S FW Version 5.5e	
31.12.07		1		AL4200S-LLM-102