

# **ISDN-TA Bootloader**

Delta Sheet V1.xx to V3.xx

Release r01

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## 1 Bootloader commands

### 1.1 changes from BOOTLOADER V1.xx to V2.xx

The following commads have been added:

at\*\*go                    start firmware out of the bootloader  
at\*\*dump                read flash memory  
[adr,length]            example:    AT\*\*DUMP 0x5000 1000  
at\*\*br                   serial speed setting within the bootloader  
                          (default: 115200 bps)  
at\*\*lasterror           show last bootloader error

### 1.2 changes from BOOTLOADER V2.xx to V3.xx

The following commads have been added:

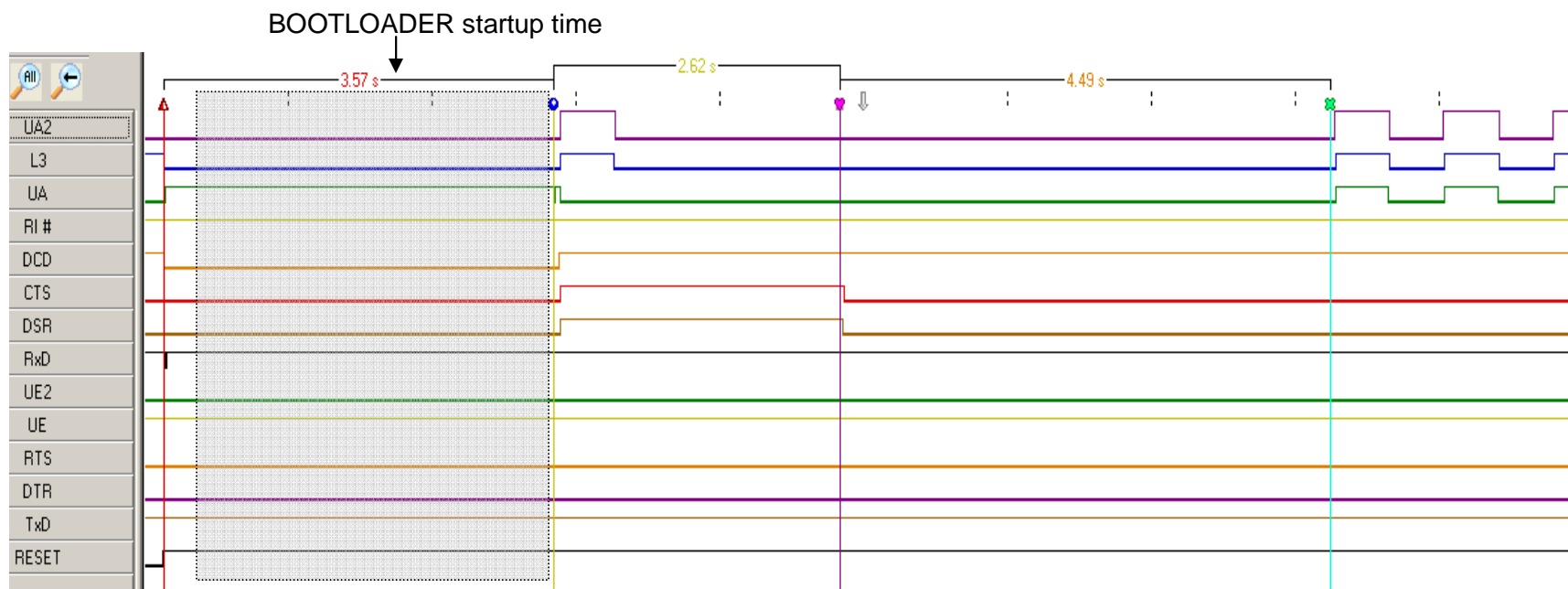
at\*\*flashinfo           Information about implemented Flash component  
                          Flash detected Manufacturer xxx  
                          Flash detected type yyy  
  
                          xxx = ESMT ( 008C )  
                                      EXCEL ( 004A )  
                                      EON ( 001C )  
                                      AMD ( 0001 )  
  
                          yyy = 4Mb (225B)  
                                      8Mb (22BA)

## 2 Startup Timing

The startup timing is changed from BOOTLOADER V1.xx to V2.xx

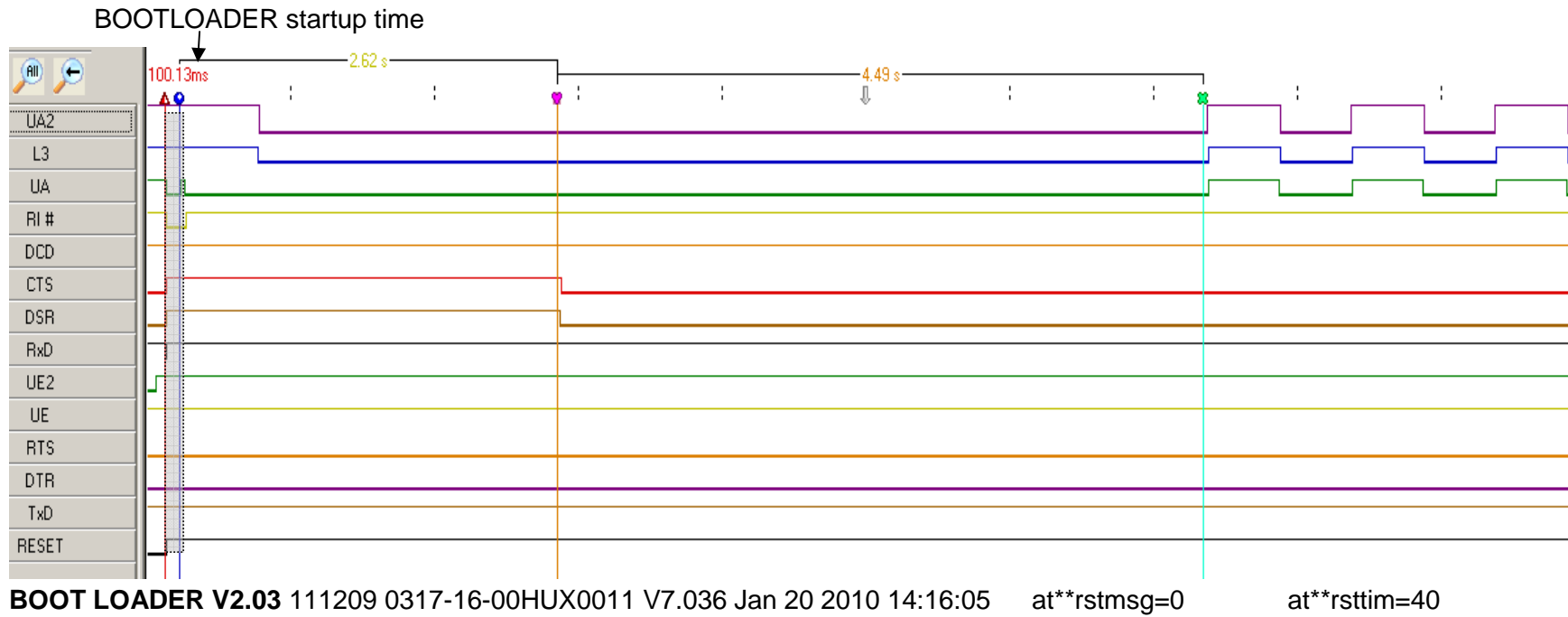
Changes	V1.xx	V2.xx
Startup timing	3570 ms	100 ms

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**BOOT LOADER V1.27** 030602 0317-16-00HUX0011 V7.036 Jan 20 2010 14:16:05 at\*\*rstmsg=0 at\*\*rsttim=40

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### 3 Serial Control Lines and Output Lines

The behaviour of the serial status lines is changed between BOOTLOADER V1.xx to V2.xx.

	<b>BOOT LOADER V1.xx</b>	<b>BOOT LOADER V2.xx</b>
Control lines	DSR, CTS, DCD => ON	DSR, CTS, DCD => OFF
Control line	RI => ON	RI => OFF
User output line UA	Vcc	0V
User output line L3	0V	Vcc
User output line UA2	0V	Vcc

### 4 Internal Changes

### 5 History

Version	Release Date	By	Change description
r01	15.01.2010	BS	First revision

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