

N706B

AT Commands Manual

Issue 1.0

Date 2025-11-18



Contents

1	□□□□	1
2	SMS□□	24
3	□□	36

Chapter 1

1.1 ATI

□□□□□□□□,□□□□□□□□□□ □□□□

1.1.1

□□□

ATI

□□□

```
<CR><LF><manufacturer>
<CR><LF><module_version>
<CR><LF><soft_version>
<CR><LF>OK<CR><LF>
```

1.1.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.1.3

ATI

OK

1.1.4

□□□□1

1.2 AT+GMR

□□□□□□□□□□□□

1.2.1

□□□

AT+GMR

□□□

```
<CR><LF>+GMR: <reversion>
<CR><LF>OK<CR><LF>
```

1.2.2

- <service>□ □□□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.2.3

AT+CSMS=1

```
+CSMS: 1,1,1
OK
```

1.2.4

□□□□2

1.3 AT+CSQ

□□□□□□□□<rssI>□ □□□□

1.3.1

□□□


```
AT+CSQ
```

```
□□□
```

```
<CR><LF>OK<CR><LF>
```

1.3.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.3.3

```
AT+CSQ
```

```
OK
```

1.3.4

```
□□□□3
```

1.4 AT+CREG

```
□□□□□□□□□□□□□□□□
```

1.4.1

```
□□□
```

```
AT+CREG
```

```
□□□
```

```
<CR><LF>OK<CR><LF>
```

1.4.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□

- 1□□□

1.4.3

AT+CREG

OK

1.4.4

□□□□4

1.5 AT+CEREG EPS

□□EPS□□□□□□□□□□

1.5.1

□□□

AT+CEREG

□□□

<CR><LF>OK<CR><LF>

1.5.2

- <service>□□□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□□/□□/□□□□
- 0□□□□
- 1□□□

1.5.3

AT+CEREG

OK

1.5.4

□□□□5

1.6 AT+COPS

□□□□□ □□□□

1.6.1

□□□

AT+COPS

□□□

<CR><LF>OK<CR><LF>

1.6.2

- <service>□ □□□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□□

1.6.3

AT+COPS

OK

1.6.4

□□□□6

1.7 AT+CIMI

□□□□□□□□□□IMSI□international mobile subscriber identification□□ □□□□

1.7.1

□□□

AT+CIMI

□□□

<CR><LF>OK<CR><LF>

1.7.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.7.3

AT+CIMI

OK

1.7.4

□□□□7

1.8 AT+CGSN IMEI

□□□□□□□□□□,□□□IMEI□□International Mobile Equipment Identity□□ □□□□

1.8.1

□□□

AT+CGSN

□□□

<CR><LF>OK<CR><LF>

1.8.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.8.3

```
AT+CGSN
```

```
OK
```

1.8.4

□□□□8

1.9 AT+GSN IMEI

□□□□□□□□□□,□□□IMEI□□International Mobile Equipment Identity□□ □□□□

1.9.1

□□□

```
AT+GSN
```

□□□

```
<CR><LF>OK<CR><LF>
```

1.9.2

- <service>□ □□□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.9.3

```
AT+GSN
```

```
OK
```

1.9.4

□□□□9

1.10 AT+CCID SIM

□□SIM□□ICCID□ □□□□

1.10.1

□□□

AT+CCID

□□□

<CR><LF>OK<CR><LF>

1.10.2

- <service>□ □□□□□□□
- 0□ GSM03.40/GSM03.41 Phase 2
- 1□ GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.10.3

AT+CCID

OK

1.10.4

□□□□10

1.11 AT+CGMM

□□□□□□□ □□□□

1.11.1

□□□

AT+CGMM

□□□

<CR><LF>OK<CR><LF>

1.11.2

- **<service>**□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>**□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.11.3

AT+CGMM

OK

1.11.4

□□□□11

1.12 AT+GMM

□□□□□□□ □□□□

1.12.1

□□□

AT+GMM

□□□

<CR><LF>OK<CR><LF>

1.12.2

- **<service>**□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>**□ □□/□□/□□□□
- 0□□□□
- 1□□□

OK

10

1.14 AT+CFUN

1111<fun>1111111111<fun>11111111 11111111,11111111 1111

1.14.1

111

AT+CFUN

111

<CR><LF>OK<CR><LF>

1.14.2

- <service> 1 1111111111
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm> 1 11/11/1111
- 0 1111
- 1 111

1.14.3

AT+CFUN

OK

1.14.4

111114

1.15 AT+CMUX

1111111111111111 111111111111,1111111111111111,11111111,1111111111111111,1111
1111AT+CMUX=0 111111111111 1111

1.15.1

111

AT+CMUX

111

1.15.2

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □ □

1.15.3

AT+CMUX

OK

1.15.4

□ □ □ □ 15

1.16 AT+CCLK

□□□□□□□□□□ □□□□□□□□,□□□□,□□□□□0□□,□□1/4□□ □□□□

1.16.1

33

AT+CCLK

333

<CR><LF>OK<CR><LF>

1.16.2

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

1.16.3

AT+CCLK

OK

1.16.4

□□□□16

1.17 AT+CPIN PIN

□□PIN□□□□□PIN□□ □□□PIN□,□□□□SIM□□AT+CLCK="SC",1,"1234"□□,□□□□□□PIN□,□□□□□□PIN□□□□

1.17.1

□□□

AT+CPIN

□□□

<CR><LF>OK<CR><LF>

1.17.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.17.3

AT+CPIN

OK

1.17.4

□□□□17

1.18 AT+CLK PIN

□□□□□□□□MT□□□□□□□□□□,□□□□□□□ □□□□

1.18.1

□□□

AT+CLK

□□□

<CR><LF>OK<CR><LF>

1.18.2

- <service>□ □□□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□□

1.18.3

AT+CLK

OK

1.18.4

□□□□18

1.19 AT+CPWD

□□□□□□□□□□ □□□□PIN□,□□□SIM□□AT+CLK="SC",1,"1234"□□□□□□□ □□□□

1.19.1

□□□

AT+CPWD

□□□

<CR><LF>OK<CR><LF>

1.19.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.19.3

AT+CPWD

OK

1.19.4

□□□□19

1.20 AT+CGDCONT PDP

□□GPRS□PDP□Packet Data Protocol,□□□□□□□□□□APN□□□□□□□□□□50□ □□□□

1.20.1

□□□

AT+CGDCONT

□□□

<CR><LF>OK<CR><LF>

1.20.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

OK

□ □ □ □ 20

OK

□ □ □ □ 21


```

GPRS, GPRS PPP G-
PRS, AT AT+CGATT? 1, PPP, 0, AT+CGATT=1

```

1111



<CR><LF>OK<CR><LF>

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

OK

□ □ □ □ 22

AT

333

333


```
<CR><LF>OK<CR><LF>
```

1.23.2

- <service>□ □□□□□□□
- 0□ GSM03.40/GSM03.41 Phase 2
- 1□ GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.23.3

```
ATE1
```

```
OK
```

1.23.4

```
□□□□23
```

1.24 ATD *99# GPRS

□□□□□□□,□□ GPRS□□□□□ □□□□□□□□□□ CREG□□□□□□□,□□□□□□ APN□ □□□□

1.24.1

```
□□□
```

```
ATD
```

```
□□□
```

```
<CR><LF>OK<CR><LF>
```

1.24.2

- <service>□ □□□□□□□
- 0□ GSM03.40/GSM03.41 Phase 2
- 1□ GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

ATD

OK

□ □ □ □ 24

□ □ □ □ □ □ □ □ □

333

AT+CESQ

<CR><LF>OK<CR><LF>

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

AT+CESQ

OK

□ □ □ □ 25

□□□□□□□□, □□ DNS □□□□ □□ AT+XIIC □□□□□□□□, □□□□□□□□ □□□□□□□□□□
□□□□

333

33

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

OK

□ □ □ □ 26

Sleep _____ **DTR** _____
_____, **DTR** _____,

33

333

20

1.27.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.27.3

```
AT+NWPWROFF
```

```
OK
```

1.27.4

```
□□□□27
```

1.28 AT+NWPWROFF

□□□□□□□□ AT+NWPWROFF □□,□□□□□□□□ POWERKEY □□□□□□□□ OK □,□□□□□□□,□□□ POW-
ERKEY □□□□□ □□□□

1.28.1

```
□□□
```

```
AT+NWPWROFF
```

```
□□□
```

```
<CR><LF>OK<CR><LF>
```

1.28.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

OK

□ □ □ □ 28

[illegible]

111

333

<CR><LF>OK<CR><LF>

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

OK

□ □ □ □ 29

1.30 AT+NSTGETRSSI

□□□□□□□□□□□□□□□□,□□□□□□□□□□□□ □□□□

1.30.1

□□□

AT+NSTGETRSSI

□□□

<CR><LF>OK<CR><LF>

1.30.2

- <service>□ □□□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

1.30.3

AT+NSTGETRSSI

OK

1.30.4

□□□□30

Chapter 2 SMS

2.1 AT+CSMS

□□□□□□□□□□SMS-MO□□□□□SMS-MT□□□□□□□SMS-CB□□

2.1.1

□□□

```
AT+CSMS=<service><CR>
```

□□□

```
<CR><LF>+CSMS: <mt>,<mo>,<bm>
<CR><LF>OK<CR><LF>
Or
<CR><LF>ERROR<CR><LF>,<CR><LF>+CSMS: <service>,<mt>,<mo>,<bm>
<CR><LF>OK<CR><LF>,<CR><LF>+CSMS: (list of supported <service>s)
<CR><LF>OK<CR><LF>
```

□□□

```
AT+CSMS?<CR>
```

□□□

```
OK
```

□□□

```
AT+CSMS=?<CR>
```

□□□

```
OK
```


2.1.2

- **<service>** 0 0 0 0 0 0 0 0
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 0 0 / 0 0 / 0 0 0 0
- 0 0 0 0
- 1 0 0 0

2.1.3

```
AT+CSMS=1

+CSMS: 1,1,1
OK
AT+CSMS=2

ERROR
AT+CSMS=?

+CSMS: 1,1,1,1
OK
AT+CSMS=?

+CSMS: (0,1)
OK
```

2.1.4

0 0 0 0 0 0 0 0 0 0

2.2 AT+CPMS

0 0 0 0 0 0 0 0 0 0 0 0

2.2.1

0 0 0

AT+CPMS

0 0 0

<CR><LF>OK<CR><LF>

2.2.2

- **<service>** 00000000
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 00/00/0000
- 00000
- 1000

2.2.3

AT+CPMS

OK

2.2.4

000032

2.3 AT+CMGF

0000000000 0000

2.3.1

000

AT+CMGF

000

<CR><LF>OK<CR><LF>

2.3.2

- **<service>** 00000000
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 00/00/0000
- 00000
- 1000

2.3.3

AT+CMGF

OK

2.3.4

□□□□33

2.4 AT+CSCS TE

□□TE□□□□□□ □□□□

2.4.1

□□□

AT+CSCS

□□□

<CR><LF>OK<CR><LF>

2.4.2

- <service>□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm>□ □□/□□/□□□□
- 0□□□□
- 1□□□

2.4.3

AT+CSCS

OK

2.4.4

□□□□34

2.5 AT+CNMI

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333

111

<CR><LF>OK<CR><LF>

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

OK

□ □ □ □ 35

AT+CPMS, [number of files to delete], [number of files to keep], [number of files to keep]

111

333

<CR><LF>OK<CR><LF>

2.6.2

- **<service>** 00000000
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 00/00/0000
- 00000
- 1000

2.6.3

AT+CMGR

OK

2.6.4

000036

2.7 AT+CMGL

0000000000,00000+CPMS 0000000000000000 0000

2.7.1

000

AT+CMGL

000

<CR><LF>OK<CR><LF>

2.7.2

- **<service>** 00000000
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 00/00/0000
- 00000
- 1000

AT+CMGL

OK

□ □ □ □ 37

,<mr>

111

AT+CMGS

333

<CR><LF>OK<CR><LF>

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

AT+CMGS

OK

□ □ □ □ 38

, <index>

2.9.1

□ □ □

AT+CMGW

□ □ □

<CR><LF>OK<CR><LF>

2.9.2

- <service> □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- <mt>,<mo>,<bm> □ □ □ / □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □ □

2.9.3

AT+CMGW

OK

2.9.4

□ □ □ □ 39

2.10 AT+CMSS

□ □ □ □ □ □ <index> □ □ □ □ □ □ □ □ SMS-SUBMIT □ , □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ <mr> □ □ □ □ □ □ □ □

2.10.1

□ □ □

AT+CMSS

□ □ □

<CR><LF>OK<CR><LF>

2.10.2

- **<service>** 0 1
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 0 1
- 0 1
- 1 0

2.10.3

AT+CMSS

OK

2.10.4

000040

2.11 AT+CMGD

00000000000000000000

2.11.1

000

AT+CMGD

000

<CR><LF>OK<CR><LF>

2.11.2

- **<service>** 0 1
- 0 GSM03.40/GSM03.41 Phase 2
- 1 GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>** 0 1
- 0 1
- 1 0

AT+CMGD

OK

□ □ □ □ 41

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333

AT+CSCA

333

<CR><LF>OK<CR><LF>

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

AT+CSCA

OK

□ □ □ □ 42

[illegible]

333

333

- **<service>** □ □ □ □ □ □ □ □
- 0 □ GSM03.40/GSM03.41 Phase 2
- 1 □ GSM03.40/GSM03.41 Phase 2+
- **<mt>**, **<mo>**, **<bm>** □ □ □ / □ □ □ / □ □ □ □
- 0 □ □ □ □
- 1 □ □ □

OK

□ □ □ □ 43

[illegible]

333

3/3

<CR><LF>OK<CR><LF>

2.14.2

- **<service>**□ □□□□□□□
- 0□GSM03.40/GSM03.41 Phase 2
- 1□GSM03.40/GSM03.41 Phase 2+
- **<mt>,<mo>,<bm>**□ □□/□□/□□□□
- 0□□□□
- 1□□□

2.14.3

AT+CSDH

OK

2.14.4

□□□□44

Chapter 3