

Application Note

>> ANw3.7: Connecting to the Internet through GPRS

TARGET	B40h-09gg + eDsoft-w302 v1.0
NEED	Initiate a GPRS communication from the Wavecom product for an Internet connection.

DESCRIPTION

The attached equipment can initiate an Internet connection, via the Wavecom product configured in GPRS mode (`GPRSMODE` parameter), by sending the '**AT#CONNECTIONSTART**' command over the serial port.

Upon receiving this command, the Wavecom product automatically attempts to complete a GPRS connection session according to the relevant stored parameters. This is achieved by the Wavecom product which connects to the Access Point Name Server.

Once the GPRS link is established, the software sends the ISP-assigned dynamic IP address and the 'Ok_Info_GprsActivation' message as a response code to the attached equipment via the serial port. The Wavecom product will then wait for commands from the attached equipment.

AT# command	AT#CONNECTIONSTART
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RELATED PARAMETERS

Registration on the network	The product has to be attached and registered on the GPRS network (and on GSM network if needed for the application).
AT+ command	AT+CGATT=1 and then AT+CGREG=1 AT+CREG=1 for GSM
GPRS mode	Activate the GPRS mode for connection.
AT#	GPRSMODE=1
APN Server	Address of the Access Point Name Server required by the network operator for connecting to the Internet.
AT#	APNSERV
APN User Name	Username required for the connection to the APN.
AT#	APNUN
APN Password	Password coming with the Username for connecting to the APN.
AT#	APNPW
Stop the AT#CONNECTION START process	The ' AT#CONNECTIONSTART ' process can be stopped by sending the ' AT#CONNECTIONSTOP ' command over the serial port
AT#	CONNECTIONSTOP

LINKS

AT# PARAMETERS	PPPMODE - GPRSMODE
AT# COMMANDS	CONNECTIONSTOP
APP. NOTES	ANConnect_GPRS (ANw3.7)

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PROCESS DIAGRAM: GPRS CONNECTION FOR AN OUTGOING CALL

