

# Application Note

## >> ANw7.1: Downloading a FTP file

<b>TARGET</b>	B40h-09gg + eDsoft-W302 v1.0
<b>NEED</b>	Downloading a file from a remote FTP server

### CONFIGURATION

<b>FTP server address</b>	Defines the address of the remote FTP server.
AT#	FTPSERV
<b>FTP client authentication</b>	Defines the login / password required to access the FTP server.
AT#	FTPUN, FTPPW
<b>FTP file path and name</b>	Prior to instructing the Wavecom product to retrieve a file from a FTP server, it is necessary to specify the path and the name of the relevant file to download.
AT#	FTPGETPATH, FTPGETFILENAME
<b>FTP server ports</b>	For some installations (due to specific firewall, proxy or router configurations) the TCP control port number used by the remote FTP server may need to be changed. In most of the cases this is not necessary and the default value for the FTP control port is 21.
AT#	FTPPORT

### OPERATION

<b>Launching the download</b>	Once an IP link is established, this command instructs the Wavecom product to logon to the remote FTP server and then to start the download of the specified file by issuing a standard GET command.
AT#	FTPGET
<b>Data flow</b>	The Wavecom product response code 'Ok_Info_DataBegin' indicates to the attached equipment that the data connection is about to be opened for transmitting the file. Then, all of the file data received from the connection are sent over the serial port without echo. The [ETX] character is sent by the Wavecom product over the serial port to indicate that the data connection is closed (meaning the file transfer is completed or has been interrupted). As a consequence an [ETX] character received in the TCP payload data will be transmitted on the serial port as a [DLE][ETX] and a [DLE] as a [DLE][DLE]. It is the attached host's responsibility to decode the received data.
<b>End of download</b>	The Wavecom product indicates the closing of the data connection by sending an [ETX] character which is echoed. The response message that follows the data transfer, sent by the Wavecom product, signals whether the file has been successfully received or not.

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### LINKS

<b>AT# PARAMETERS</b>	FTPSERV, FTPUN, FTPPW, FTPGETPATH, FTPGETFILENAME, FTPPORT
<b>AT# COMMANDS</b>	FTPGET
<b>APP. NOTES</b>	ANFTP_Upload (ANw7.2) - ANFlow_Control (ANw1.4)

### PROCESS DIAGRAM

