

Application Note

>> ANw3.4: Automatic answer of incoming calls

TARGET	B40h-09gg + eDsoft-w302 v1.0
NEED	When an incoming call is received, the Wavecom product validates the associated CLI (Calling Line Identity) and if appropriately configured, can answer the call automatically.
DESCRIPTION	<p>When receiving an incoming call it is possible for the attached equipment to either accept the call, let the Wavecom product answer the call automatically, or to not answer the call and then let the Wavecom product automatically call a pre-defined number using the 'call-back mechanism'.</p> <p>This application note addresses the automatic answer mechanism implemented in the Wavecom product.</p>

CONFIGURATION

Wismo configuration	<ul style="list-style-type: none">- The value of the <code>PPPMODE</code> parameter will determine the communication type for outgoing and incoming call: IP GSM/GPRS modem, transparent modem, ...- The <code>GPRSMODE</code> parameter allows to select the GPRS or GSM mode for outgoing connection to the Internet- The <code>CALLSCREENNUM</code> parameter configuration with a decimal phone number need the caller line identity service from the operator and the <code>AT+CLIP=1</code> command sent to the Wavecom software- <code>RINGCOUNT</code> and <code>ANSWERMODE</code> must be configured in accordance with the <code>ATSO</code> configuration for not interacting.
Automatic answer activation	<p>When this parameter is set to 1, the Wavecom product automatically answers an incoming call if the associated CLI (Calling Line Identity) matches the <code>CALLSCREENNUM</code> parameter.</p> <p>AT# ANSWERMODE=1</p>
Caller ID validation	<p>When the GSM line subscription includes the caller ID service, it is possible to direct the Wavecom product to validate the CLI (Calling Line Identity) of the incoming call before answering.</p> <p>If no check is required, the <code>CALLSCREENNUM</code> parameter should be set to '*'.</p> <p>AT# CALLSCREENNUM</p>
Number of rings	<p>The configurable number of incoming rings before the Wavecom product goes off hook to answer the call.</p> <p>AT# RINGCOUNT</p>

OPERATION

Answering	<p>When receiving an incoming call, the Wavecom product ignores the call if the associated CLI (Calling Line Identity) doesn't match the <code>CALLSCREENNUM</code> parameter.</p> <p>If the associated CLI (Calling Line Identity) matches the <code>CALLSCREENNUM</code> parameter, the Wavecom product goes off hook and tries to establish a connection as specified by the <code>PPPMODE</code> parameter (PPP client, PPP server or transparent modem).</p>
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LINKS

AT# PARAMETERS	PPPMODE - GPRSMODE
APP. NOTES	ANPPP_Server (ANw3.2) - ANAnswer_Call (ANw3.5) - ANAutomatic_Callback (ANw3.3)

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PROCESS DIAGRAM

