

# Maintain a permanent modem connection

In some situations you may want to configure the modem (GPRS/EDGE/PSTN, etc) of the eWON to stay connected without interruption.

To achieve this, you need to set the Maintain connection option and to adapt the Maximum connection time parameters.

## 1. Maintain connection

On the Internet connection configuration page check the 'Maintain connection' option. (Menu: System Setup/ Communication/ Networking Config/ Internet Connection)

<u>General</u>		Communication		<u>Storage</u>		
COM Config     Therfaces     Network connections		Internet connection setup Internet access				
		ork connection ain connection		Modem Connect	ion 💌	=
🔤 🔊 Publish IP Address	Publish WAN IP address				>	
	Publis	sh IP address		Disabled 💌		Configure
🏠 Routing <b></b> Proxy	Re-pi	ublish interval		0	minutes	0 for plublic
- A Security		lemand" Internet connection	~~~~	- Maria		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

The Maintain connection feature will reactivate the Internet connection once the Internet connection is closed. The duration of the Internet connection must still be configured using the Maximum connection Time fields of the PPP outgoing connection (see hereunder).

## 2. Maximum connection time

On the PPP outgoing Connection configuration page adapt the Maximum connection time parameters.



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General		<u>Communication</u>		Stora	<u>qe</u>	ſ		
COM Config     Therfaces		tgoing Connection 🗹 Enabled	rs					
⊡ ·· 💊 Network connections ⊡ ·· 4. Ethernet		nd connection timeout	180	second	s			
⊡ 🖢 Modem		e protocol compression between dialout retries	<b>⊡</b> 60	second	s	$\rightarrow$		
⊡ <b>}} Outgoing</b> ▶ Global		Maximum connection time						
Server1		me before hanging up utgoing call duration	120 60	secon	ds (Check incoming 💌)	Minimum 60		
⊞… Manage Config Er	Hangu	ip if no outgoing action after	-1	minute	s	-1 to har		
		Error recovery Select next server in case of error Use only server 1						
and the second s	Rehno	t modem after	4	outgoing call-~i-we	*/~\/^~~\//**	فسرا		

The Idle Time before hanging up parameter defines the amount of time after which eWON will hang up if no data transfer occurs on the modem link (any type of PPP traffic) during this time.

If you use a VPN connection, due to the keepalive exchange between the VPN client and the VPN server, this parameter can be let to default settings.

If you do not use a VPN connection, then increase the value of this parameter to make sure that the line will not be dropped due to communication inactivation.

The Max outgoing call duration defines the maximum amount of time of the outgoing call. When this amount of time is reached, then the eWON stops the modem communication. So for permanent connection, increase this amount of time. You can also set this parameter to 0, which will deactivate the time limit for the connection.

Note: Some GPRS operators do not like that a device stays connected for a too long time period. In this case it is better to configure the eWON to disconnect and reconnect from time to time on the GPRS network. So in this case better not deactivate the Max outgoing call duration paramter but set it for example to 10080 min to force a reconnection after 1 week.

Let the Hangup if no outgoing action after parameter set to -1.

## 3. Calls Budget

Also check that the calls budget management has been disbaled.



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🔔 Ethernet խ Modem	Maximum connection time				1		
Incoming	Idle time before hanging up	600		seconds ( Check incoming 💊	) Minimum 60 seco		
g 🦕 Outgoing	Max outgoing call duration	0		minutes	0 for no limit		
Global	Hangup if no outgoing action after	ngup if no outgoing action after -1		minutes	-1 to hangup afte		
Server2	Error recovery						
VPN VPN	Select next server in case of error	Use only :	Use only server 1				
etworking Config Janage Config	Reboot modem after	4	outgoing call failures				
	Minimum GPRS connection duration	4	seconds				
	Reboot GPRS modem after	5	connection(	ation			
	Calls budget management	Calls budget management					
	Allocated budget	0		hours	0 for no limit		
	Reset budget period	168		hours			
	Current budget period: 0:00:00			hours	Leave empty for		
	Volume: IN: 237816, OUT: 146825, Last re	Volume: IN: 237816, OUT: 146825, Last reset: 01/01/1970 00:00:00 🗌 Reset					

Put 0 into the «Allocated budget» field to deactivate the call budget management. The Call budget management allows you to manage the costs of the outgoing connection. By default eWON is configured to allow 24 hours of outgoing connection during one week (168 hours).

## Revision

### **Revision History**

Revision Level	Date	Description
1.0	25/05/2012	Creation of document

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