

Comcfg.txt Parameters

PRODUCT TYPE: COSY+, COSY131, FLEXY

SSH-0050-00 1.9
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Important User Information

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1. Preface

1.1. About This Document

This document lists all parameters contained in the comcfg.txt of the and Ewon Flexy.

For additional related documentation and file downloads, please visit www.ewon.biz/support.

1.2. Document history

Version	Date	Description
1.0	2018-08-28	First release.
1.1	2019-01-28	Changed: EthGW parameter.
1.2	2019-10-14	Added: Parameter for string tags.
1.3	2019-10-30	Changed: WirelessNet parameter
1.4	2019-12-03	Added: Security Improvement (page 16)
1.5	2020-05-06	Changed: "VCOMTempo"
1.6	2020-09-15	Changed:
1.7	2021-12-03	Changed:
1.8	2023-05-15	Additional information per device
1.9	2024-06-26	Adding new COM parameters "ClosedDevice"

1.3. Related Documents

1.4. Trademark Information

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2. COM Parameters



NOTICE

In the tab below, the COM Parameter applies to the one or multiple devices that are flagged in the last columns.

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy							
EthIP	LAN IP address [Applied after Reboot]	10.0.0.53	IPv4 dotted decimal		X	X	X							
EthMask	LAN Subnet mask	255.255.255.0	IPv4 dotted decimal		X	X	X							
EthGW	Default WAN gateway: If there is no active WAN connection, this parameter is the default LAN gateway.	0.0.0.0	IPv4 dotted decimal		X	X	X							
UseBOOTP	Type of LAN IP address	0	<table><tr><td>0</td><td>Static</td></tr><tr><td>1</td><td>BootP</td></tr><tr><td>2</td><td>DHCP</td></tr></table>	0	Static	1	BootP	2	DHCP	X	X	X		
0	Static													
1	BootP													
2	DHCP													
PPPServerIp	PPP server IP address	202.0.0.240	IPv4 dotted decimal			X	X							
PPPServerMask	PPP server IP mask	255.255.255.0	IPv4 dotted decimal			X	X							
PPPServerGW	PPP server IP gateway	0.0.0.0	IPv4 dotted decimal			X	X							
PPPClientIp	PPP Client IP address	202.0.0.1	IPv4 dotted decimal			X	X							
PPPCCompress	PPP Enable Client Compression Protocol	1	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X				
0	Disabled													
1	Enabled													
PPPCIPhone1	PPP Server1 phone number	0	Phone Number			X	X							
PPPCUserName1	APN/sPPP Server1 User name	[empty]	Text		X	X	X							
RTEnIpFwrd	Enable IP forwarding between IP interfaces	1	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled	X	X	X				
0	Disabled													
1	Enabled													
DialInOut	PPP incoming Connection and/or PPP outgoing Connection	1	<table><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Incoming only</td></tr><tr><td>2</td><td>Outgoing only</td></tr><tr><td>3</td><td>Incoming & Outgoing</td></tr></table>	0	None	1	Incoming only	2	Outgoing only	3	Incoming & Outgoing		X	X
0	None													
1	Incoming only													
2	Outgoing only													
3	Incoming & Outgoing													
InEqualOut	PPP Connected Client is a Gateway	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X				
0	Disabled													
1	Enabled													
DialTO	Dial-out time out	360	Integer [seconds]			X	X							
CIIdle	Client mode idle time out before hangup	120	Integer [seconds]		X	X	X							
SrvIdle	Server mode idle time out before hangup	240	Integer [seconds]			X	X							
EthDns1	Ethernet DNS 1 IP address	0.0.0.0	IPv4 dotted decimal		X	X	X							
EthDns2	Ethernet DNS 2 IP address	0.0.0.0	IPv4 dotted decimal		X	X	X							
PPPSrvCompress	Enable PPP Server Compression Protocol	1	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X				
0	Disabled													
1	Enabled													
PPPCINeedChap	Enable CHAP authentication	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X				
0	Disabled													
1	Enabled													
PPPCIPhone2	ISP2 Server phone number	0	Phone number			X	X							

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy																									
PPPCUserName2	ISP2 User name	[empty]	Text			X	X																									
CallAlloc	Allocated budget	24	Integer [hours]			X	X																									
CallAllocRst	Budget reset period	168	Integer [hours]			X	X																									
CBEnabled	Callback	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X																						
0	Disabled																															
1	Enabled																															
CBDelay	Callback delay after rings	30	Integer [seconds]			X	X																									
CBIdleTime	Callback mode idle time out before hangup	1200	Integer [seconds]			X	X																									
CBDDnsType	Publish IP address Dynamic DNS Type	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>No-IP.com</td></tr><tr><td>4</td><td>DynDns.org</td></tr><tr><td>7</td><td>Ods.org</td></tr><tr><td>8</td><td>Tzo.com</td></tr><tr><td>9</td><td>EasyDns.com</td></tr><tr><td>13</td><td>Dyns.cx</td></tr><tr><td>15</td><td>ZoneEdit.com</td></tr></table>	0	Disabled	1	No-IP.com	4	DynDns.org	7	Ods.org	8	Tzo.com	9	EasyDns.com	13	Dyns.cx	15	ZoneEdit.com		X	X										
0	Disabled																															
1	No-IP.com																															
4	DynDns.org																															
7	Ods.org																															
8	Tzo.com																															
9	EasyDns.com																															
13	Dyns.cx																															
15	ZoneEdit.com																															
CBDDnsUName	Publish IP address Dynamic DNS User Name	[empty]	Text			X	X																									
CBDDnsHName	Publish IP address Dynamic DNS Host Name	[empty]	Text			X	X																									
CBDDnsDName	Publish IP address Dynamic DNS Domain Name	[empty]	Text			X	X																									
CBType	Callback type	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X																						
0	Disabled																															
1	Enabled																															
CBNbRing	Callback detection minimum number of rings	5	Integer [rings]			X	X																									
CBTo	Phone number to use for callback	1	<table><tr><td>0</td><td>User request account</td></tr><tr><td>1</td><td>Primary dialup</td></tr><tr><td>2</td><td>Secondary dialup</td></tr></table>	0	User request account	1	Primary dialup	2	Secondary dialup		X	X																				
0	User request account																															
1	Primary dialup																															
2	Secondary dialup																															
RTEnTransFw	Enable transparent forwarding	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X																						
0	Disabled																															
1	Enabled																															
RTEnAuthRt	Authentication for transparent forwarding required	1	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X																						
0	Disabled																															
1	Enabled																															
ModDetCnt	Modem detection trial count, <i>if not detected after this number Ewon reboots</i>	4	Integer [trials]			X	X																									
ModExpType	Modem expected type (software). Defines compatibility with different modems (details in KB-0007-00).	Depends on HW configuration.	<table><tr><td>-1</td><td>Automatic</td></tr><tr><td>0</td><td>No Modem</td></tr><tr><td>2</td><td>PSTN Multitech 33k</td></tr><tr><td>3</td><td>PSTN Multitech 56k</td></tr><tr><td>9</td><td>PSTN Multitech 33k LS</td></tr><tr><td>10</td><td>ISDN Stollman</td></tr><tr><td>11</td><td>PSTN Multitech 56k LS</td></tr><tr><td>12</td><td>ISDN Altec 5068S</td></tr><tr><td>131</td><td>GSM-GPRS-QuadB Wavecom All Models</td></tr><tr><td>132</td><td>QuadBand Siemens TC63, TC65, AC65</td></tr><tr><td>133</td><td>QuadBand Siemens MC75, AC75</td></tr><tr><td>134</td><td>UMTS/GPRS Quad Telit All Models</td></tr><tr><td>135</td><td>Global HSUPA</td></tr></table>	-1	Automatic	0	No Modem	2	PSTN Multitech 33k	3	PSTN Multitech 56k	9	PSTN Multitech 33k LS	10	ISDN Stollman	11	PSTN Multitech 56k LS	12	ISDN Altec 5068S	131	GSM-GPRS-QuadB Wavecom All Models	132	QuadBand Siemens TC63, TC65, AC65	133	QuadBand Siemens MC75, AC75	134	UMTS/GPRS Quad Telit All Models	135	Global HSUPA		X	X
-1	Automatic																															
0	No Modem																															
2	PSTN Multitech 33k																															
3	PSTN Multitech 56k																															
9	PSTN Multitech 33k LS																															
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133	QuadBand Siemens MC75, AC75																															
134	UMTS/GPRS Quad Telit All Models																															
135	Global HSUPA																															

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy
ModFrcType	Modem Forced Type (software). Defines compatibility with different modems (details in KB-0007-00).	-1	-1	Automatic		X	X
			0	No Modem			
			#	Modem type (see ModExpType parameter)			
SSAM	Server Access Selection Mode	0	-1	Use Last Valid Server		X	X
			0	Return to Server 1			
			1	Use only Server 1			
			2	Use only Server 2			
CBNbRingOH	Callback Number of Rings more than minimum	10	Integer [rings]			X	X
RTDodType	Accept Dial on Demand Internet Connection	0	0	NO ONE except		X	X
			1	ANYONE except			
RTDodF1..#	Dial on demand exception range 1..# FROM	0.0.0.0	IPv4 Dotted Decimal			X	X
RTDodT1..#	Dial on demand exception range 1..# TO	0.0.0.0	IPv4 Dotted Decimal			X	X
MaxCallDur	Max Connection Time	60	Integer [minutes]		X	X	X
HUNoAct	Hangup if No Outgoing Action after	-1	0	Immediately		X	X
			-1	After Idle Time [Cldie]			
			Integer [minutes]				
DOErrRst	Dial Out - Reboot Modem after x Outgoing Call Failures	6	Integer [calls]			X	X
DORetryInt	Dial Out – Relay between Retries	300	Integer [minutes]			X	X
X25Net	Not used	0					
X25Ushr	Not used	[empty]					
X25Facil	Not used	[empty]					
X25X121	Not used	[empty]					
ModemInitStr	Modem Init-String – Initialization AT Commands – Modem-Type Dependent (details in KB-0007-00).	[empty] if No Modem Otherwise depends on Modem Type as per ModExpType parameter	Example PSTN: AT&F1&Q5&K3&D2&C1 Example GSM: AT&FE0&D2&C1+IFC=2,2;+CSNS=4 Example ISDN: AT&FE0&D&C1&K3B3			X	X
MemOrg	Memory Configuration - Storage Configuration (*) hardware dependent [Applied after Reboot]	1	1			X	X
			2				
			5				
			See the <i>General Reference Guide</i> of the corresponding device				
PdpApnUse	PDP context Definition - Packet Data Protocol Context <i>Must be enabled in order to use GPRS Connection.</i>	0	0	Disabled		X	X
			1	Enabled			
PdpApn	GPRS PDP: Access Point Name	[empty]	URL (if PdpApnUse is enabled)		X	X	X
QosReqUse	GPRS Quality Of Service Profile (Requested)	0	See the General Reference Guide of the corresponding device			X	X
QosReqPred	Precedence	0				X	X

Name	Description	Default Value	Acceptable Values	Cosy+	Cosy 131	Flexy
QosReqDel	Delay	0			X	X
QosReqRel	Reliability	0			X	X
QosReqPk	Peak	0			X	X
QosReqMn	Mean	0			X	X
QosMinUse	GPRS Quality Of Service Profile (Minimum Acceptable)	0	See the General Reference Guide of the corresponding device		X	X
QosMinPred	Precedence	0			X	X
QosMinDel	Delay	0			X	X
QosMinRel	Reliability	0			X	X
QosMinPk	Peak	0			X	X
QosMinMn	Mean	0			X	X
IpsHttpP1	Primary HTTP Port [Required Reboot]	80	Integer	X	X	X
IpsHttpP2	Secondary HTTP port [Required Reboot]	81	Integer	X	X	X
IpsFtpP	FTP port	21	Integer	X	X	X
EthIpAddr2	WAN IP address	10.1.0.53	IPv4 dotted decimal	X	X	X
EthIpMask2	WAN Subnet mask	255.255.255.0	IPv4 dotted decimal	X	X	X
PPPAnswRing	Number of rings before modem answers	1	Integer [rings]		X	X
PPPSrvDialInWD	Reset Ewon if no incoming connection after...	0	Integer [hours] 0 Disable watchdog		X	X
UseBOOTP2	WAN IP Address Allocation	0	0 Static 1 BootP 2 DHCP	X	X	X
VPNRedirect	Route all gateway traffic through VPN	0	0 Disabled 1 Enabled		X	X
NatItf	Apply NAT and TF to Connection (listbox)	0	0 NAT and TF disabled 1 NAT and TF on VPN 2 NAT and TF on WAN 3 NAT on LAN (Plug'nRoute)	X	X	X
TFMaxPort	Highest transparent forwarding port	10000	Integer	X	X	X
CBPubIP	Callback Publish IP Address	0	0 Disabled 1 Enabled		X	X
WANItfProt	WAN Protection Level	2	1 Discard all except VPN and initiated traffic 2 Allow all 3 Discard all except VPN, initiated traffic and ping	X	X	X
WANCnx	WAN Network Connection	2	0 No access 1 Modem 2 Ethernet 3 ADSL 4 WiFi	X	X	X
WANPubIP	WAN Publish IP Address	0	0 Disabled 1 Enabled		X	X
WANRepubInterval	WAN Re-Publish Interval	0	Integer [minutes] 0 Initial Connection		X	X
WANPermCnx	WAN Maintain Connection	1	0 Disabled 1 Enabled		X	X

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy
VPNCnxType	VPN Connection Type during Internet Connection	0	0	Disabled	X	X	X
			1	VPN Server Mode			
			2	VPN Client Mode (Talk2m Connection)			
VPNSecretKey	VPN key	#_1_//8=	Text field For cosy+, not used in case of a Talk2m connection.		X	X	X
VPNSecretCert	VPN certificate	[empty]	Text field For cosy+, not used in case of a Talk2m connection.		X	X	X
VPNCACert	VPN Certificate Authority (CA)	[empty]	Text field For cosy+, not used in case of a Talk2m connection.		X	X	X
VPNDiag	VPN Diagnosis Level	1	0	None	X	X	X
			1	Low			
			4	Medium			
			8	High			
VPNPortIn	VPN Port In	0	0	1194	X	X	X
			Integer				
VPNPortOut	VPN Port Out	1194	Integer For cosy+, not used in case of a Talk2m connection.			X	X
VPNAlive	VPN "Keep Alive" Interval	120	Integer [seconds]		X	X	X
			0	Disabled			
VPNSrv1	VPN Primary Server	[empty]	IPv4 dotted decimal For cosy+, not used in case of a Talk2m connection.			X	X
VPNSrv2	VPN Secondary Server	[empty]	IPv4 dotted decimal For cosy+, not used in case of a Talk2m connection.			X	X
PPPCNeedChap2	Dial Out Requires Secure Authentication (CHAP) - Server 2	0	0	Disabled		X	X
			1	Enabled			
Cryptmode	Encrypt sensitive data (passwords, etc.)	Since firmware 11.3s0 release, this parameter is no longer supported in the Cosy+, Cosy 131 and Flexy devices.			N/A	N/A	N/A
VPNLocalIp	VPN Local IP Address	10.254.0.1	IPv4 dotted decimal			X	X
VPNRemotelip	VPN remote IP Address	10.254.0.2	IPv4 dotted decimal			X	X
VPNCfgFile	External VPN config file (in comcfg.txt only) Syntax examples: +myVPNconfig.txt: Appends external parameters - myVPNconfig.txt: overwrites existing parameters	[empty]	*.txt file name (free). See How to connect your Ewon to Third Party OpenVPN Servers for more details.		X	X	X
VPNIP2PMode	VPN IP Addresses Config	0	0	Automatic		X	X
			1	Manual			
BootOp	Reboot request with Special Operation	0	0	None			
			1	Modem Upgrade			
			32	Remote Wizard			
ResSys	Not documented	0					
EarlySerialCfg	Serial port configuration at power on and during boot	[empty]					

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy							
	time (in comcfg.txt only)													
RouteDestIp1	Route 1..3 - Destination	0.0.0.0	IPv4 dotted decimal			X	X							
RouteNetMask1..3	Route 1..3 - Mask	0.0.0.0	IPv4 dotted decimal		X	X	X							
RouteGateway1..3	Route 1..3 - Gateway	0.0.0.0	IPv4 dotted decimal		X	X	X							
RouteHops1..3	Route 1..3 – Hop Counts	0	<table><tr><td>0</td><td>No hop</td></tr><tr><td>1</td><td>1 hop</td></tr><tr><td>2</td><td>2 hops</td></tr><tr><td>3</td><td>3hops</td></tr></table>	0	No hop	1	1 hop	2	2 hops	3	3hops	X	X	X
0	No hop													
1	1 hop													
2	2 hops													
3	3hops													
CfgProtoDis	Disable Ebuddy device detection	0	<table><tr><td>0</td><td>Disabled (Port is closed)</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled (Port is closed)	1	Enabled							
0	Disabled (Port is closed)													
1	Enabled													
ProxyEnabled	Proxy Configuration	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled	X	X	X				
0	Disabled													
1	Enabled													
ProxyIdleTO	Proxy Idle Connection Time out	180	Integer [seconds]		X	X	X							
ProxyMaxSocks	Proxy Maximum Connections sockets	5	Integer [sockets]		X	X	X							
ProxyProto1..#	Proxy 1..# Protocol	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>UDP</td></tr><tr><td>2</td><td>TCP</td></tr><tr><td>3</td><td>FTP</td></tr></table>	0	Disabled	1	UDP	2	TCP	3	FTP	X	X	X
0	Disabled													
1	UDP													
2	TCP													
3	FTP													
ProxySide1..#	Proxy 1..# Direction	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>EXT to LAN</td></tr><tr><td>2</td><td>LAN to EXT</td></tr></table>	0	Disabled	1	EXT to LAN	2	LAN to EXT	X	X	X		
0	Disabled													
1	EXT to LAN													
2	LAN to EXT													
ProxyPort1..#	Proxy 1..# Incoming Port	0	Integer max. 9 digits		X	X	X							
ProxySrvPort1..#	Proxy 1..# destination port	0	Integer max. 9 digits		X	X	X							
ProxySrvIpAddr1..#	Proxy 1..# destination IP address	0.0.0.0	IPv4 dotted decimal		X	X	X							
GprsMinCnxTime	Minimum GPRS Connection Duration	4	Integer [seconds]			X	X							
GprsCnxErrMax	Reboot GPRS Modem after X connections shorter than min. GPRS Conn (=GprsMinCnxTime).	5	Integer [connections]			X	X							
NoSmartArp	Not documented	0												
VPNDrvMode	VPN driver mode	0	<table><tr><td>0</td><td>TUN</td></tr><tr><td>1</td><td>TAP</td></tr></table> For cosy+, not used in case of a Talk2m connection.	0	TUN	1	TAP		X	X				
0	TUN													
1	TAP													
VPNProto	VPN Protocol	0	<table><tr><td>0</td><td>UDP</td></tr><tr><td>1</td><td>TCP</td></tr></table> For cosy+, not used in case of a Talk2m connection	0	UDP	1	TCP		X	X				
0	UDP													
1	TCP													
WANPxyMode	WAN Proxy Mode (detected automatically when running Talk2m wizard)	0	<table><tr><td>0</td><td>No Proxy</td></tr><tr><td>1</td><td>Proxy with basic authentication</td></tr><tr><td>2</td><td>Proxy with NTLM authentication</td></tr><tr><td>10</td><td>Proxy without authentication</td></tr></table>	0	No Proxy	1	Proxy with basic authentication	2	Proxy with NTLM authentication	10	Proxy without authentication	X	X	X
0	No Proxy													
1	Proxy with basic authentication													
2	Proxy with NTLM authentication													
10	Proxy without authentication													
WANPxyAddr	WAN Proxy Address	[empty]	IPv4 dotted decimal		X	X	X							
WANPxyUsr	WAN Proxy User	[empty]	Text		X	X	X							
WANPxyPort	WAN Proxy Port	8080	Integer		X	X	X							

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy
GsmBand	In <i>comcfg.txt</i> only	0 (Depends on modem type – not applicable for all GPRS modem types)	0	Not specified			
			1	850			
			2	900			
			3	1800			
			4	1900			
			5	850 + 1900			
			6	900E + 1800			
			7	900E + 1900			
			10	Auto-detection			
GsmOpId	GSM Operator Selection (Mobile Network Code)	0	0	Automatic		X	X
			X	5 digit MNC			
NetName	Network Name (FQDN)	[empty]	Text			X	X
DhcpTO	DHCP Time Out Applied after Reboot	10000	Integer [milliseconds]		X	X	X
EthDnsAuto	DNS Automatic Setup via DHCP	1	0	Disabled	X	X	X
			1	Enabled			
AutoEthSw	Not documented	0					
ProxyExtItf	Proxy External Interface (EXT) (linked to Proxy Feature, ProxyProto1..#)	0	0	WAN	X	X	X
			1	PPP			
			2	VPN			
ModDispLvl	Display Reception Level on Front Panel LED	0	0	Disabled			
			1	Enabled			
ModemMsn	Multiple Subscriber Numbering - Phone Number (ISDN only)	[empty]	Phone number				
CBDnsDbg	Debug Dynamic DNS Connection	0	0	Disabled		X	X
			1	Enabled			
AdslCnxType	ADSL Connection Type (list box 1 single option)	0	PPPoE or PPPoA				
AdslPPPMODE	ADSL PPP Mode	0	0	PPoE LLC			
			1	PPoA VC-Mux			
			2	PPoA LLC			
AdslBridgeMode	ADSL Bridge Mode	0	0	Not bridged			
AdslUser	ADSL User Name	[empty]	Text				
AdslVPI	ADSL VPI	8	Integer				
AdslVCI	ADSL VCI	35	Integer				
AdslCloneMac	Not documented	0					
AdslCnxTO	ADSL Connection Time Out	180	Integer [seconds]				
CBPubEMail	Publish Email Destination IP Address	[empty]	Email Address			X	X
T2mAccSrvAddr	Talk2m Access Server Address	talk2m_pro	URL			X	X
UserDefData1	Not documented	[empty]					
VPNSrvAddrMode	VPN WAN Address or Name	0	0	Defined Manually		X	X
			1	Defined by Talk2m			
T2mAccountName	Talk2m Account ID	[empty]	Code			X	X
VPNPreDNS	When set to 0 , it allows to force the use of the Server name instead of the IP address for the Talk2m connection.	1	0 and 1 Value 1 is highly advised in most cases.			X	X

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy										
	If set to 1, Talk2m Server IP Address is used except when using Internet Proxy.																
EnableChunkEncoding	Enable chunk encoding	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled										
0	Disabled																
1	Enabled																
PPPIdeWithOut	PPP Idle Time before Hanging Up	0	<table><tr><td>0</td><td>Check incoming</td></tr><tr><td>1</td><td>Check Outgoing</td></tr></table>	0	Check incoming	1	Check Outgoing		X	X							
0	Check incoming																
1	Check Outgoing																
FwrToWAN	WAN IP Forwarding. Allow LAN and VPN forwarding to WAN	1	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled	X	X	X							
0	Disabled																
1	Enabled																
VPNOptPck	Not documented	0															
KILLAN	Special mode which disables the Ewon LAN connection. Only modem connection possible on Ewon if this feature is activated.	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled	X	X	X							
0	Disabled																
1	Enabled																
eBuddyAuth	eBuddy needs Authentication	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled	X	X	X							
0	Disabled																
1	Enabled																
VpnFltEn	VPN Protection	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Ennabled</td></tr></table>	0	Disabled	1	Ennabled	X	X	X							
0	Disabled																
1	Ennabled																
VpnFSa1..3	VPN protection source IP 1..3	0.0.0.0	IPv4 dotted decimal		X	X	X										
VpnFDaS1..3	VPN Protection Destination IP Range starts 1..3	0.0.0.0	IPv4 dotted decimal		X	X	X										
VpnFDaE1..3	VPN Protection Destination IP Range ends 1..3	0.0.0.0	IPv4 dotted decimal		X	X	X										
VpnFDp1..3	VPN Protection Destination Port	[empty]	Integer		X	X	X										
WirelessNet	Wireless Network Preferences	Depends on Modem	<table><tr><td>0</td><td>Automatic Mode Selection of the best technology WCDMA/GSM/ LTE (2G/3G/4G)</td></tr><tr><td>1</td><td>WCDMA only (3G only)</td></tr><tr><td>2</td><td>GSM only (2G only)</td></tr><tr><td>3</td><td>LTE only (4G only)</td></tr></table>	0	Automatic Mode Selection of the best technology WCDMA/GSM/ LTE (2G/3G/4G)	1	WCDMA only (3G only)	2	GSM only (2G only)	3	LTE only (4G only)	See ICX	X	X			
0	Automatic Mode Selection of the best technology WCDMA/GSM/ LTE (2G/3G/4G)																
1	WCDMA only (3G only)																
2	GSM only (2G only)																
3	LTE only (4G only)																
WizCnxDone	COSY 1-2-3 Wizard Completion Flag Connection Part	Ex-factory = 0 Afterward = 1	<table><tr><td>0</td><td>Not completed</td></tr><tr><td>1</td><td>Completed</td></tr></table>	0	Not completed	1	Completed	X	X	X							
0	Not completed																
1	Completed																
WizT2MDone	COSY 1-2-3 Wizard Completion Flag Talk2m Part	Ex-factory = 0 Afterward = 1	<table><tr><td>0</td><td>Not completed</td></tr><tr><td>1</td><td>Completed</td></tr></table>	0	Not completed	1	Completed	X	X	X							
0	Not completed																
1	Completed																
WizVPNDone	COSY 1-2-3 Wizard Completion Flag Talk2m Part	Ex-factory = 0 Afterward = 1	<table><tr><td>0</td><td>Not completed</td></tr><tr><td>1</td><td>Completed</td></tr></table>	0	Not completed	1	Completed	X	X	X							
0	Not completed																
1	Completed																
InIOCfg	COSY 1-2-3 wizard completion - PLC Gateway Configuration Starting firmware v12.3, this parameter is deprecated.	Not available in Cosy+, Cosy 131 & Flexy devices.			N/A	N/A	N/A										
Language	Language configuration	-1	<table><tr><td>-1</td><td>Not configured. Will ask for config at first login.</td></tr><tr><td>0</td><td>English</td></tr><tr><td>1</td><td>English</td></tr><tr><td>2</td><td>French</td></tr><tr><td>3</td><td>german</td></tr></table>	-1	Not configured. Will ask for config at first login.	0	English	1	English	2	French	3	german	X	X	X	
-1	Not configured. Will ask for config at first login.																
0	English																
1	English																
2	French																
3	german																

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy
			4	Italian			
			5	Spanish			
HComCfg1	Internal Use	-	-				X
HComCfg2	Internal Use	-	-				X
HComCfg3	Internal Use	-	-				X
HComCfg4	Internal Use	-	-				X
HComCfg5	Internal Use	-	-				X
HComCfg6	Internal Use	-	-				X
HComCfg7	Internal Use	-	-				X
HComCfg8	Internal Use	-	-				X
HBoard1	Internal Use	-	-				X
HBoard2	Internal Use	-	-				X
HBoard3	Internal Use	-	-				X
HBoard4	Internal Use	-	-				X
HBoard5	Internal Use	-	-				X
HBoard6	Internal Use	-	-				X
HBoard7	Internal Use	-	-				X
HBoard8	Internal Use	-	-				X
T2MWizOpt	Talk2m Wizard Option	0	0= No Special option 1= Force TCP		X	X	X
LANWANConfig	Switch Configuration for both devices <i>The bits set indicate the WAN Ports. The bits reset indicate the LAN ports. LAN Port #1 cannot be set as a WAN port</i>	8	8	Port 4 in WAN	X	X	X
			4	Port 3 in WAN			
			2	Port 2 in WAN			
			12	Port 4,3 in WAN			
			14	Port 4,3,2 in WAN			
			6	Port 3,2 in WAN			
			10	Port 2,4 in WAN			
			0	All 4 Ports in LAN			
WifiSSID	WiFi SSID (WiFi name) of the WiFi to Connect.	[empty]	Wifi SSID		X	X	X
WifiIpAddr	WiFi IP Address	0.0.0.0	IPv4 dotted decimal		X	X	X
WifiIpMask	Wifi IP Subnet Mask	0.0.0.0	IPv4 dotted decimal		X	X	X
WifiUseDHCP	WiFi DHCP Settings	2	0	Static	X	X	X
			1	BOOTP			
			2	DHCP			
UseCAL	Use of Cloud Accelerated Loading . CAL is the feature allowing your web browser to download the Ewon Web static files from the Internet rather than from the Ewon.	1	0	Disabled	X	X	X
			1	Enabled			
WifiSec	WIFI Security	0	0	Automatic	X	X	X
			1	No Protection			
			2	WPA/WPA2			
			3	WEP			
DO1Init	Base Unit DO #1 init value	1	0	Status 0	X	X	X
			1	Status 1			
UsbIpEnable	Enable/Disable the USB over IP	1	0	Disabled	X	X	X
			1	Enabled			
UsbIpLogLevel	Log Level of USB IP	0	0	No Log	X	X	X

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy
			1	Low Level			
			2	High Level			
UsblpStartPort	TCP Port used for accessing the first USB device connected to your Ewon.	6000	Port Number		X	X	X
NAT11Itf	NAT 1:1 Interface	0	0	Disabled	X	X	X
			1	VPN			
			2	WAN			
NAT11InX (X = 1...10)	NAT 1:1 LAN IP for entry 1...10	0.0.0.0	IPv4 dotted decimal		X	X	X
NAT11OutX (X = 1...10)	NAT 1:1 MAPPED IP for entry 1...10	0.0.0.0	IPv4 dotted decimal		X	X	X
NAT11NickX (X = 1...10)	NAT 1:1 Nickname for entry 1...10	[empty]	Any name		X	X	X
WifiGW	WiFi Gateway IP Address	0.0.0.0	IPv4 dotted decimal		X	X	X
WifiDns1	WiFi DNS1 IP Address	0.0.0.0	IPv4 dotted decimal		X	X	X
WifiDns2	WiFi DNS2 IP Address	0.0.0.0	IPv4 dotted decimal		X	X	X
WifiDnsAuto	WiFi DNS automatic setup via DHCP	1	0	Disabled	X	X	X
			1	Enabled			
WifiNetName	WiFi network name (FQDN)	[empty]	Text		X	X	X
T2MKey	Global Registration Key used when registering the Ewon on Talk2m through SD card.	[empty]	Cannot be set without SD card or USB key.		X	X	X
T2MNote	Description used when registering the Ewon on Talk2m through SD card.	[empty]	Cannot be set without SD card or USB key.		X	X	X
GeolocEnable	Enable/Disable the Geo-localization	1	0	Disabled	X	X	X
			1	Enabled			
SDConfigEnable	Enable/Disable the SD card configuration	1	0	Disabled	X	X	X
			1	Enabled			
LANDHCPSEnable	Enable/Disable DHCP Server on LAN	0	0	Disabled	X	X	X
			1	Enabled			
LANDHCPSStartIP	Start IP address of the Dynamic IP address pool. This IP address must be in the range of Ewon	0.0.0.0	IPv4 dotted decimal		X	X	X
LANDHCPEndIP	End IP address of the Dynamic IP address pool	0.0.0.0	IPv4 dotted decimal		X	X	X
LANDHCPSLogLevel	Log level of the DHCP Server (0,1 or 2)	0	0, 1 or 2		X	X	X
LANDHCPSDns1	Primary DNS IP address attributed to DHCP Clients Do not set the Ewon LAN IP address since Ewon is not a DNS gateway. Use a public DNS server or the corporate LAN DNS Server.	0.0.0.0	IPv4 dotted decimal		X	X	X
LANDHCPSDns2	Secondary DNS IP address attributed to	0.0.0.0	IPv4 dotted decimal		X	X	X

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy								
	DHCP Clients. Same as above.														
DNSREnabled	Enable DNS relay	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X	X				
0	Disabled														
1	Enabled														
BroadcastForwarder	Enable PLC Discovery Check warning on page 4 of AUG - 0070-00 - PLC Discovery Through Talk2m	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X	X				
0	Disabled														
1	Enabled														
DHCPRT0	DHCP client retries timeout. The time interval before a DHCP request is sent again inside the interval.	1000	Integer [milliseconds]		X	X	X								
T2MCheckCnxMinimumT	Minimum time interval considered to test the Talk2m VPN connection and switch port (TCP or UDP) accordingly. This time interval is doubled after each test failure until maximum time interval is reached.	120	Integer [seconds] <table><tr><td>0</td><td>Deactivate the check</td></tr><tr><td>120</td><td>Minimum possible value</td></tr><tr><td>Integer [seconds]</td><td>Custom value</td></tr><tr><td>3600</td><td>Maximum possible value</td></tr></table>		0	Deactivate the check	120	Minimum possible value	Integer [seconds]	Custom value	3600	Maximum possible value	X	X	X
0	Deactivate the check														
120	Minimum possible value														
Integer [seconds]	Custom value														
3600	Maximum possible value														
T2MCheckCnxMaximumT	Maximum time interval considered to test the Talk2m VPN connection and switch port (TCP or UDP) accordingly.	3600	Integer [seconds]		X	X	X								
WiFiAutoscan	Automatic scan of Wi-Fi network / hotspots in order to connect to the strongest signal.	1	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>	0	Disabled	1	Enabled		X	X	X				
0	Disabled														
1	Enabled														
DI1AlarmSMSMsg	DI1 SMS body. Between 1 and 134 ASCII characters	[empty]	String		X	X									
DI1AlarmSMSRecipients	DI1 SMS notification recipient list. Separated by comma (,) if multiple recipients; no “+” allowed, between 4 and 40 characters.	[empty]	String		X	X									
DI1AlarmEmailBody	DI1 email notification message body Maximum 140 characters.	[empty]	String		X	X									
DI1AlarmEmailRecipients	DI1 email notification recipient list. Separated by comma (,) if multiple recipients.	[empty]	String		X	X									
DI1AlarmEmailSubject	DI1 email notification message subject. Maximum 44 characters.	[empty]	String		X	X									
DI2AlarmSMSMsg	DI2 SMS body. Between 1 and 134 ASCII characters	[empty]	String		X	X									
DI2AlarmSMSRecipients	DI2 SMS notification recipient list. Separated by comma (,) if multiple recipients; no “+” allowed, between 4 and 40 characters.	[empty]	String		X	X									
DI2AlarmEmailBody	DI2 email notification message body.	[empty]	String		X	X									

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy									
	Maximum 140 characters.															
DI2AlarmEmailRecipients	DI2 email notification recipient list. Separated by comma (,).	[empty]	String		X	X										
DI2AlarmEmailSubject	DI2 email notification message subject. Maximum 44 characters.	[empty]	String		X	X										
DI1Cfg	COSY 1-2-3 Wizard Completion. Contains the DI1 Configuration as a bit field	0	<table><tr><td>0</td><td>Not used</td></tr><tr><td>1</td><td>Internet control</td></tr><tr><td>2</td><td>VPN control</td></tr><tr><td>4</td><td>SMS notification</td></tr><tr><td>8</td><td>Email notification</td></tr></table> Values can be summed except for 1 with 2. For eg: 1+4+8 = 13 : Internet control with SMS and email notification.	0	Not used	1	Internet control	2	VPN control	4	SMS notification	8	Email notification	X	X	
0	Not used															
1	Internet control															
2	VPN control															
4	SMS notification															
8	Email notification															
DI2Cfg	COSY 1-2-3 Wizard Completion. Contains the DI2 Configuration as a bit field	0	<table><tr><td>0</td><td>Not used</td></tr><tr><td>4</td><td>SMS notification</td></tr><tr><td>8</td><td>Email notification</td></tr></table> Values can be summed. For eg: 4+8 = 12 : SMS and email notification	0	Not used	4	SMS notification	8	Email notification	X	X					
0	Not used															
4	SMS notification															
8	Email notification															
WizDIDone	COSY 1-2-3 Wizard Completion Flag DI part	Ex-factory = 0 Afterward = 1	<table><tr><td>0</td><td>Not done</td></tr><tr><td>1</td><td>Completed</td></tr></table>	0	Not done	1	Completed	X	X							
0	Not done															
1	Completed															
WANFbckHostNamesToCheck	List of hosts used to check if the WAN connection is still active (for WAN fallback purpose). Separated by comma (,) with a maximum of 96 characters.	tcp:// device.api.talk2m.com:443	PROTOCOL://HOST:PORT		X	X	X									
RetriesWANFbckMaxCnxRetries	Number of retries used to check the WAN connection before falling back to secondary WAN interface.	3	Integer <table><tr><td>1</td><td>No retry</td></tr></table>		1	No retry	X	X	X							
1	No retry															
WANFbckMaxDuration	Maximum time duration the secondary WAN interface will stay active before switching back the primary WAN interface.	60	Integer [minutes]		X	X	X									
WANFbckMinInterval	Minimum time interval before another WAN fallback can occur after a previous one has already been triggered.	75	Integer [minutes]		X	X	X									
WANFbckCnx	Defines the secondary WAN interface (in case of WAN fallback).	0	<table><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Cellular</td></tr><tr><td>2</td><td>Ethernet</td></tr><tr><td>4</td><td>WiFi</td></tr></table>	0	None	1	Cellular	2	Ethernet	4	WiFi	X	X	X		
0	None															
1	Cellular															
2	Ethernet															
4	WiFi															
WANFbckCheckPeriod	The time interval between two WAN connectivity checks on the primary WAN interface (for WAN fallback purpose).	60	Integer [seconds]		X	X	X									

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy							
PDPContext	3G and 4G modem advance settings					X	X							
PDPTType	3G and 4G modem advance settings					X	X							
PdpAutoApnCountry	3G and 4G modem advance settings					X	X							
PDPAutoApnProvider	3G and 4G modem advance settings					X	X							
PdpAutoApnItem	3G and 4G modem advance settings					X	X							
USBConfigEnable	Enable/Disable the USB card configuration	1	<table><tr><td>1</td><td>Enable</td></tr><tr><td>0</td><td>Disable</td></tr></table>	1	Enable	0	Disable	X	X	X				
1	Enable													
0	Disable													
USBEnable	Enable/Disable the USB card commissioning		<table><tr><td>1</td><td>Enable</td></tr><tr><td>0</td><td>Disable</td></tr></table>	1	Enable	0	Disable	X	X	X				
1	Enable													
0	Disable													
VCOMTempo	Configure the frequency/ bandwidth method of the VCOM connection	1	<table><tr><td>0</td><td>Disable</td></tr><tr><td>1</td><td>Enable the TCP fragmentation</td></tr><tr><td>2</td><td>Enable DMA mode (Enabling it might cause reconnection issues. Use it only if you know what you do)</td></tr><tr><td>3</td><td>Enable both TCP fragmentation and DMA mode</td></tr></table>	0	Disable	1	Enable the TCP fragmentation	2	Enable DMA mode (Enabling it might cause reconnection issues. Use it only if you know what you do)	3	Enable both TCP fragmentation and DMA mode			X
0	Disable													
1	Enable the TCP fragmentation													
2	Enable DMA mode (Enabling it might cause reconnection issues. Use it only if you know what you do)													
3	Enable both TCP fragmentation and DMA mode													
BoltCfgEnabled	Enables the detected Bolt as a WiFi access point.	0	<table><tr><td>0</td><td>Bolt/AWB disabled</td></tr><tr><td>1</td><td>Bolt/AWB enabled</td></tr></table>	0	Bolt/AWB disabled	1	Bolt/AWB enabled	X	X	X				
0	Bolt/AWB disabled													
1	Bolt/AWB enabled													
BoltCfgSSID	The name of the WiFi network (SSID) generated by the Bolt.	N/A	String		X	X	X							
BoltCfgSecurityEnabled	The security level of the WiFi network generated by the Bolt	1	<table><tr><td>0</td><td>No Security</td></tr><tr><td>1</td><td>WPA/WPA2 Security</td></tr></table>	0	No Security	1	WPA/WPA2 Security	X	X	X				
0	No Security													
1	WPA/WPA2 Security													
BoltCfgMACs	List of Bolt Ethernet Mac addresses connected to the Ewon, separated by comma [,]. Maximum 3 Bolts connected	N/A	String		X	X	X							
BoltCfgHostnames	List of Bolt Names connected to the Ewon, separated by comma [,]. Maximum 3 Bolts connected	N/A	String		X	X	X							
BoltCfgAccessPoint IPs	List of Bolt LAN IPs addresses connected to the Ewon, separated by comma [,]. Maximum 3 Bolts connected	N/A	Integer [IP address]		X	X	X							
PPPCIPassword1	PPP Server 1 password (ISP1)	#_1_/8= or [empty]	Text		X	X	X							
PPPCIPassword2	PPP Server 2 password (ISP2)	#_1_/8= or [empty]	Text		X	X	X							
CBDDnsPass	Dynamic DNS Password	#_1_/8= or [empty]	Text			X	X							
DefAdmPass	DefAdmPass (in comcfg.txt only)	#_1_/8= or [empty]	Text		X	X	X							
WANPxyPass	WAN Proxy Password	#_1_/8=	Text		X	X	X							
AdslPass	ADSL Password: Not used	#_1_/8= or [empty]	Text		N/A	N/A	N/A							
PIN	Modem PIN Code	#_1_/8= or [empty]	4 Digit Code		X	X	X							
WifiPSK	PSK Key for WiFi connection	[empty]	WiFi PSK		X	X	X							

Name	Description	Default Value	Acceptable Values		Cosy+	Cosy 131	Flexy						
UsblpPwd	Password Protection for accessing your USB device. Not supported by Ecatcher.	[empty]	Password		X	X	X						
BoltCfgPassword	Bolt Wi-Fi password (only used if the Bolt security is set on WPA/ WPA2)	N/A	String		X	X	X						
MemStrHistEnabled	Enable historical logging of string tags. Modification of this parameter may result in a complete format of the Ewon. [Applied after Reboot]	0	<table><tr><td>0</td><td>Disabled</td></tr><tr><td>1</td><td>Enabled</td></tr></table>		0	Disabled	1	Enabled			X		
0	Disabled												
1	Enabled												
MemStrHistPercentage	Percentage of the recording size used for the historical logging of string tags. Modification of this parameter may result in a complete format of the Ewon. [Applied after Reboot]	10	Integer (10 to 90)				X						
APSSID:Ewon_Wifi_AP	Network Name (SSID)	[empty]	Text		X								
APPassphrase	Password to access WiFi Access Point	[empty]	Text and integer		X								
APEnabled	The Enable box is used to activate WiFi Local Access Point	[empty]	<table><tr><td colspan="2">Disabled</td></tr><tr><td colspan="2">Enabled</td></tr></table>		Disabled		Enabled		X				
Disabled													
Enabled													
APBroadcastSSID	Enable or disable SSID broadcast to display or hide the name of your network for the WiFi clients	[empty]	<table><tr><td colspan="2">Disabled</td></tr><tr><td colspan="2">Enabled</td></tr></table>		Disabled		Enabled		X				
Disabled													
Enabled													
APChannel	The Channel number of your WiFi network. Keep it on 0 (auto) if you don't know which frequency is the best for your network	0	Integer		X								
LANDHCPSLeaseTime	The amount of time an IP address will be reserved for a specific device.	3600	Integer [seconds]		X								
IcxModemConnectivityType	Connectivity type	0	<table><tr><td>0</td><td>Auto</td></tr><tr><td>1</td><td>4G only</td></tr><tr><td>2</td><td>3G only</td></tr></table>		0	Auto	1	4G only	2	3G only	X		
0	Auto												
1	4G only												
2	3G only												
ModemWanAdapterMTU	MTU used for the Cellular Connection	0	Auto		X								
LANDHCPSFilter	If DHCP LAN filtering is enabled, DHCP server will be applied only on devices connected through the access point but not on devices connected on the LAN switch	[empty]	<table><tr><td colspan="2">Disabled</td></tr><tr><td colspan="2">Enabled</td></tr></table>		Disabled		Enabled		X				
Disabled													
Enabled													
CloseDevice	The " <i>ClosedDevice</i> " parameter is a bitwise value that allows you to block the access to the web server (HTTP) and or the FTP server on the different Ewon IP interfaces (LAN, WAN & VPN). Find all the detail about this new COM parameter in our article: How to block all the unused Ewon Flexy/Cosy131 services on the LAN, WAN and/or VPN interface					X	X						

Appendix A. Security Improvement

Since firmware 13.3, the encryption of sensitive parameters in the Ewon has been highly increased.

The following parameters have a different encryption pattern depending if your Ewon is running a firmware lower or equal/higher than 13.3:

- **VPNSecretKey**
- **PPPCIPassword1**
- **PPPCIPassword2**
- **CBDDnsPass**
- **DefAdmPass**
- **WANPxyPass**
- **AdslPass**
- **PIN**
- **WifiPSK**
- **UsblpPwd**
- **BoltCfgPassword**

This has an incidence if you restore a **comcfg.txt** file coming from an Ewon running firmware ≥ 13 that is destined to go in to an Ewon running firmware < 13 . More information in the “*Restore an Ewon backup through eBuddy*” document from [Related Documents \(page 1\)](#).