

Firmware 1.7.0 and 1.11 configurations comparison

Description

This document summarizes configuration differences between WCC Lite firmware versions 1.7.0 and 1.11. Each protocol section contains two separate tables: one for Device Sheet and one for Signal Sheet, following the original documentation structure.

(-) indicates that parameter does not exist

(+) indicates that parameter exists

MODBUS Master

Signal sheet:

Parameter	1.7.0	1.11	Description
Periodic_update_ms	-	+	Signal value will be published periodically according to the value set.

MODBUS Slave

Device sheet:

Parameter	1.7.0	1.11	Description
Respond_delay	-	+	Time in milliseconds to wait before sending responses. Disabled if the value is set to 0

Signal sheet:

Parameter	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.

DNP3.0 Master

Device sheet:

Parameter	1.7.0	1.11	Description
ip	host	ip	
use_local_time	-	+	If enabled (1), communication uses system time instead of UTC.

DNP3.0 Slave

Device sheet:

Parameter	1.7.0	1.11	Description	
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Parameter	1.7.0	1.11	Description	
Control_code	-	-	DNP3 control model code of CROB signal. TripClose and Pulse control model requires PulseOn/off time s to be set	
Pulse_on_time_ms	-	-	Pulse ON time in milliseconds, when using Pulse or TripClose control models must be set	
Pulse_off_time_ms	-	-	Pulse OFF time in milliseconds, when using Pulse or TripClose control models must be set	

IEC 101 Master

Device sheet:

Parameter	1.7.0	1.11	Description
broadcast_timesync	-	+	Enables or disables broadcast time sync. If 0 - disabled; if 1 - enabled.

Signal sheet:

Parameter	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.
tag_job_todo	-	+	tag_job_todo value must be: communication_status. If the signal returns 1 - connection is OK; if 2 - disconnected.

IEC 101 Slave

Signal sheet:

Parameter	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.
Select_ms	-	+	Polling interval in milliseconds. The time frame between two telegrams from the master.
tag_job_todo	-	+	tag_job_todo value must be: communication_status. If the signal returns 1 - connection is OK; if 2 - disconnected.

IEC 103 Master

Device sheet:

Parameter	1.7.0	1.11	Description
reset_command_type	-	+	The user can choose the reset command type between FCB and CU.

Signal sheet:

Parameter	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.
tag_job_todo	-	+	tag_job_todo value must be: communication_status. If the signal returns 1 - connection is OK; if 2 - disconnected.

IEC 104 Master

Device sheet:

Parameter	1.7.0	1.11	Description
ip	host	ip	Slave device IP

Signal sheet:

Parameter	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.
tag_job_todo	-	+	tag_job_todo value must be: communication_status. If the signal returns 1 - connection is OK; if 2 - disconnected.

IEC 104 Slave

Signal sheet:

Parameter	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.
tag_job_todo	-	+	tag_job_todo value must be: communication_status. If the signal returns 1 - connection is OK; if 2 - disconnected.

IEC 61850 Server

Device sheet:

Parameter	1.7.0	1.11	Description
Tls	+	-	
Edition	+	-	
auth	-	+	Authorization type
authorization	+	-	

IEC 61850 Client

Device sheet:

Parameter	1.7.0	1.11	Description
ip	host	ip	
auth	-	+	Authorization type
authorization	+	-	
event_history_size	+	-	
model_filename	-	+	The filename of the client model uploaded to WCC (must contain .client extension)

MQTT

Device sheet:

Parameter	1.7.0	1.11	Description
ip	host	ip	
auth	-	+	Authorization type
Ca_certificate	-	+	Certificate authority file for TLS connection
Client_certificate	-	+	Client certificate file for TLS connection
Client_key	-	+	The private key that corresponds to the client certificate for TLS connection
Client_id	-	+	User-friendly name for client ID

Signal sheet:

Signal	1.7.0	1.11	Description
periodic_update_ms	-	+	Signal value will be published periodically according to the value set.

DLMS/COSEM

Device sheet:

Parameter	1.7.0	1.11	Description
poll_delay_ms	+	-	Minimum time delay in milliseconds to wait before sending any data on port.

IEC 62056-21

Device sheet:

Parameter	1.7.0	1.11	Description
protocol_control_char	-	+	Protocol control character
mode_control_char	-	+	Mode control character

WCC Lite Internal Signals

Signal sheet:

Signal	1.7.0	1.11
sim-select (gsm)	-	+
modem-reset (gsm)	-	+

New Services

Signal sheet:

Service	1.7.0	1.11	Description
Sms_receiver	-	+	SMS receiver is a service responsible for command execution that was received via text message.

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