## 1. Run downloader

럊 Downloader v1.0.0.18		<b>– – X</b>
Program File Name	Length: 172988	CRC: 0xC3A3
L\SOFT_810_121-3\810.121_v1.13\Applica	tion\Release\Exe\RAY3_v113_	87068-87077.bin
Info		Browse
Device Name:		
Software Version:		
Serial Number:		Settings
Compilation Info:		Jettings
GUID:		Read Info
Status:		Passwords
Program CRC:		
WR Program Length:		Time
WR Program CRC:		Download

- 2. Click "Browse" and select firmware bin file.
- 3. Click "Settings", select communication parameters. For "Serial" communication use Modbus address 254, for "Ethernet" 255

Serial		Ethemet	Log	
[	Enable	Enable	🕅 File	Syslog
COM Port	COM6 👻	IP Address 192.168.1.	125 🔹 Syslog Server	-
Baud Rate	19200 🔻	Port 502	▼ ■ RFC3164	RFC5424
Data Bits	8 🔻	🔽 Use Ping		
Parity	Even 💌			
Stop Bits	One 🔻		Downloader	Verify
Address	254	Unit ID 255	Additional	
Timeout	2000 💌	Timeout 1000	NTP	
Password				
Enable	Password II	0 Password		Use Password

4. Click "Read info", if communication ok reads device description. If you have problems reading description, review communication settings.

	<b>— — X</b>
Length: 172988	CRC: 0xC3A3
Release\Exe\RAY3_v113	_87068-87077.bin
	Browse
	Cattings
7.70.1 b;437	Settings
89-9440B771FDD8	Read Info
	Passwords
	Time
	Download
	Length: 172988 Release\Exe\RAY3_v113 7.70.1 b;437 189-9440B771FDD8

5. Click "Download" to start program device. After download ends close program window, and click "Read info" to check firmware update was successful.

👎 Progress	×
	00:00:29
100%	
ОК	
Write Program Flash	
Index:0x0002A030 Length:240	
Write Program Flash	
Index:0x0002A120 Length:240	
Write Program Flash	
Index:0x0002A210 Length:240	
Write Program Flash	
Index:0x0002A300 Length:188	
Write Program Length (172988)	
Write Program Length OK!	
Check Program Flash CRC	
Check Program Flash CRC OK!	
Restart CPU	
Restart CPU OK!	