

Datasheet

version 1.0

DALIweb



Interface for wireless light control
via DALI bus

DIN rail mount

Wifi connection

Tablet or cellphone control without
the necessity of installing any
special app

Compatible with all systems

Communication with touch panel
FTCxxDALI

User account management

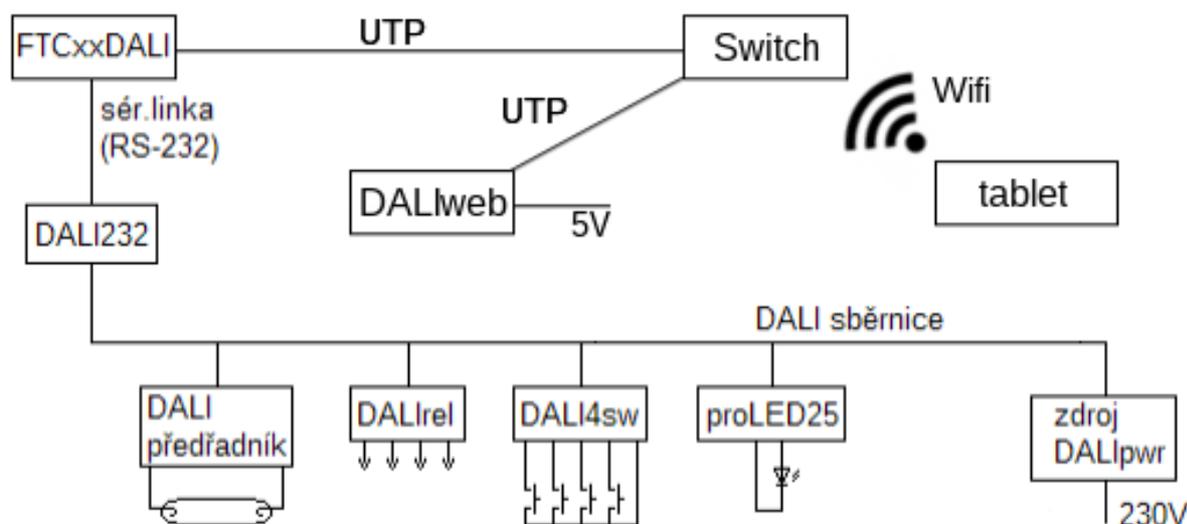
Technical specification		
bus		DALI
Power supply		5 V ss
Typical power consumption		5 W
Maximal current		2 A
Connectors	Computer network	Ethernet 1 gigabit
	USB ports	4x USB2.0 Host, 1x USB OTG
Ingress protection		IP20 front panel
Ambient working temperature		0 ÷ 50 °C
Storage temperature		-20 ÷ 60 °C
Weight		0.15 kg
Dimensions (width x height x depth)		92 x 71,5 x 62 mm

Function

DALIweb unit has two areas of usage. Firstly as a web server for remote control and secondly as a proxy server for multiple connection to DALInet/DALI2net.

DALIweb – web server is a industrial PC for wireless control of lights and devices on DALI bus. DALIweb communicates with touch panel FTCxxDALI and allows its remote control. DALIweb will be connected to the local network using UTP cable. Then it is possible to communicate with touch panel using any web browser (on mobile phone, tablet, etc.) without the necessity to install any additional apps. Wireless control requires wifi connection. DALIweb allows creation of user account which can be password protected. Each account can have limited access to the specific part of the lighting system.

Schematické zapojení jednotky DALIweb do DALI soustavy:



DALIweb – DALI proxy server

DALI proxy server (DALIweb) is a program extension to DALIweb unit. It allows simultaneous use of the DALI2net (DALI2net) converter with multiple control programs (e.g. DALIconfig, Foxoft, etc.).

Function description

DALIweb establishes direct communication with DALI2net units. For each DALI line it opens a special TCP server to which multiple control programs can be permanently connected. The control program communicates with DALIweb the same way that it communicates directly with DALI2net. DALIweb provides messaging between individual control programs and a converter.

The DALI proxy server principle is illustrated in the Figure 1. Each DALI bus belongs to the DALIweb instance. DALIweb instance is the process that ensures the transmission of messages between control programs and the converter. The DALIweb instance establishes a TCP connection with the appropriate DALI2net (DALI2net) TCP port. It then creates a TCP server to which control programs can connect.

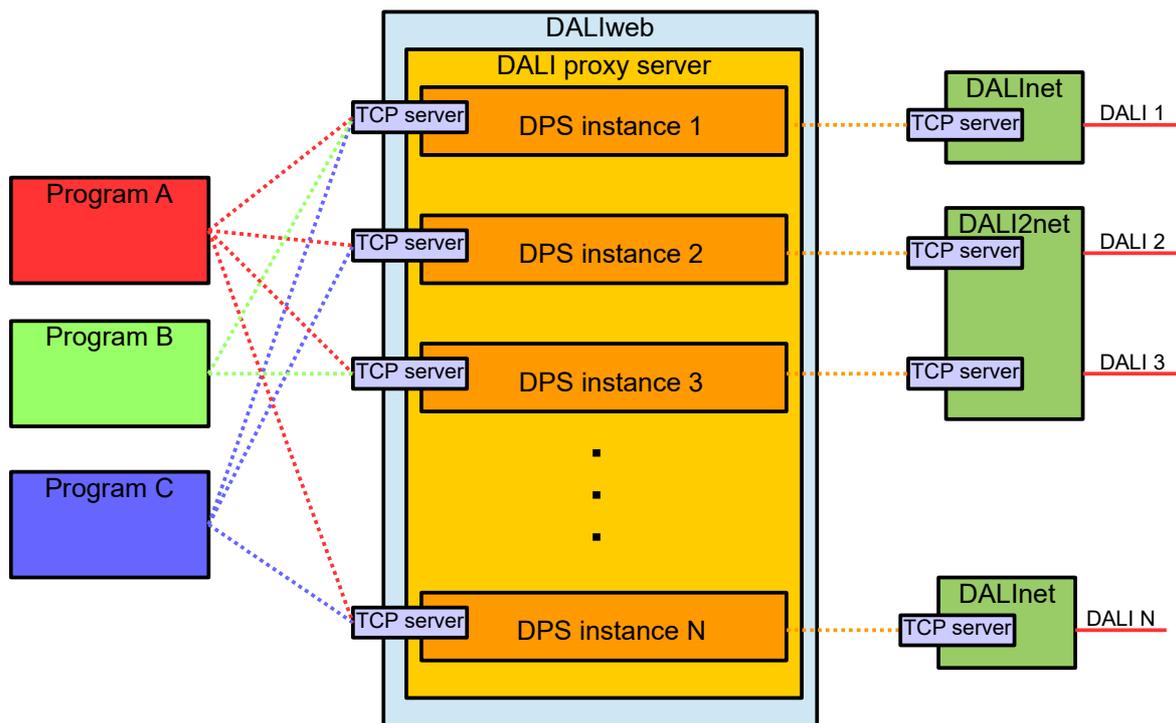


Figure 1: DALI proxy server principle

Setting of DALI proxy server

DALIweb is set up via the web interface of DALIweb. To connect to the DALIweb web interface, you need to enter the IP address of your DALIweb (default IP address: 192.168.1.240) into your web browser. To set up DALIweb, you must log in as an administrator.

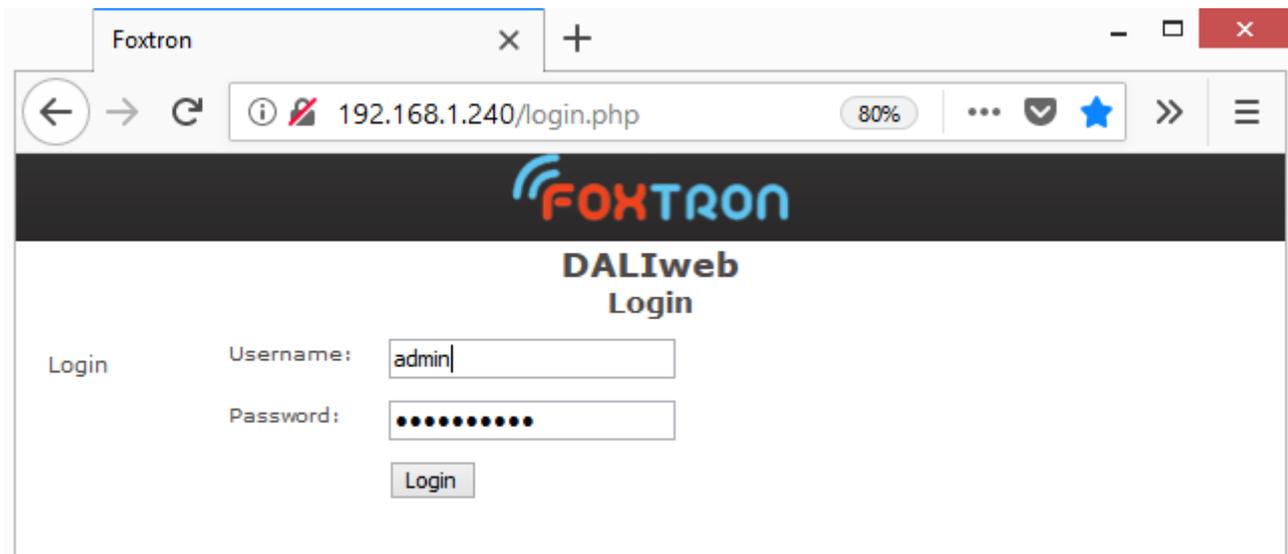


Figure 2: Login into and administrator account (password: foxtron.cz)

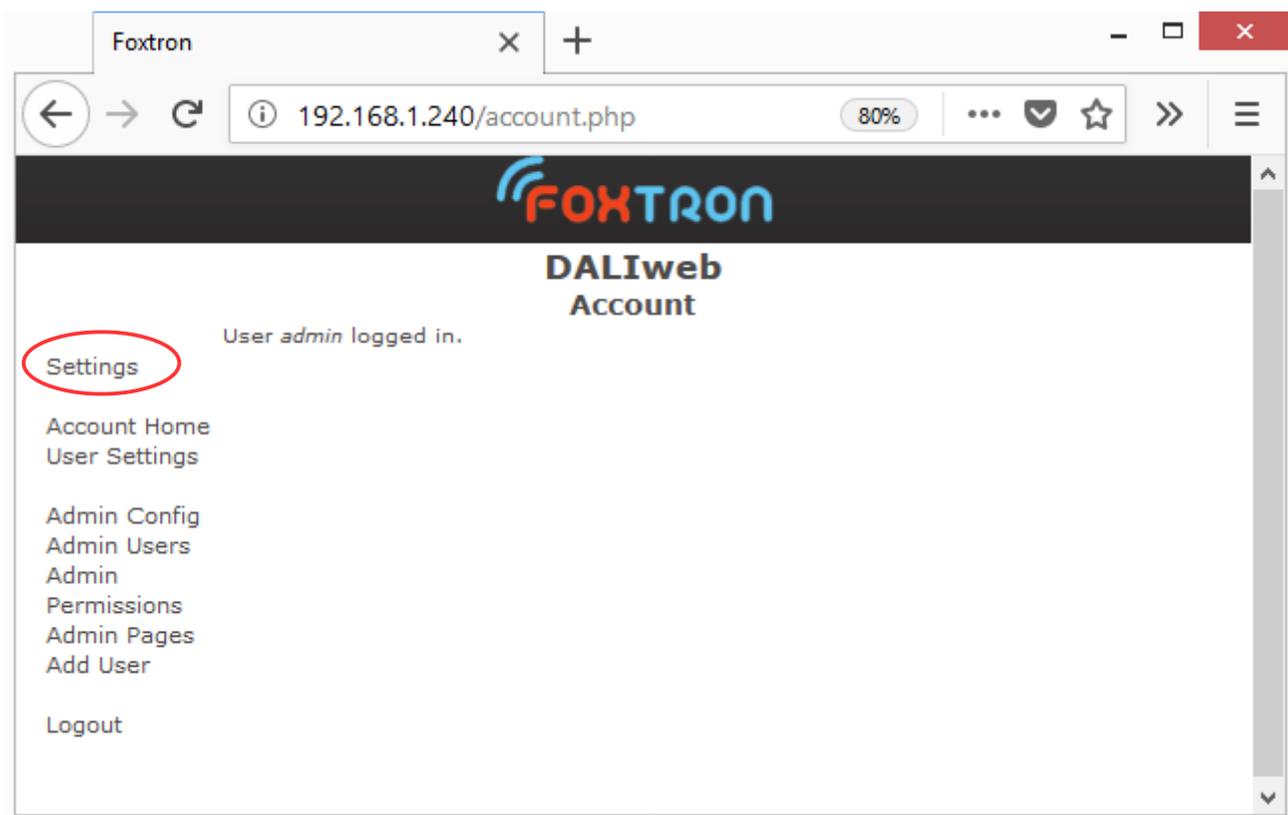


Figure 3: Administration of DALIweb

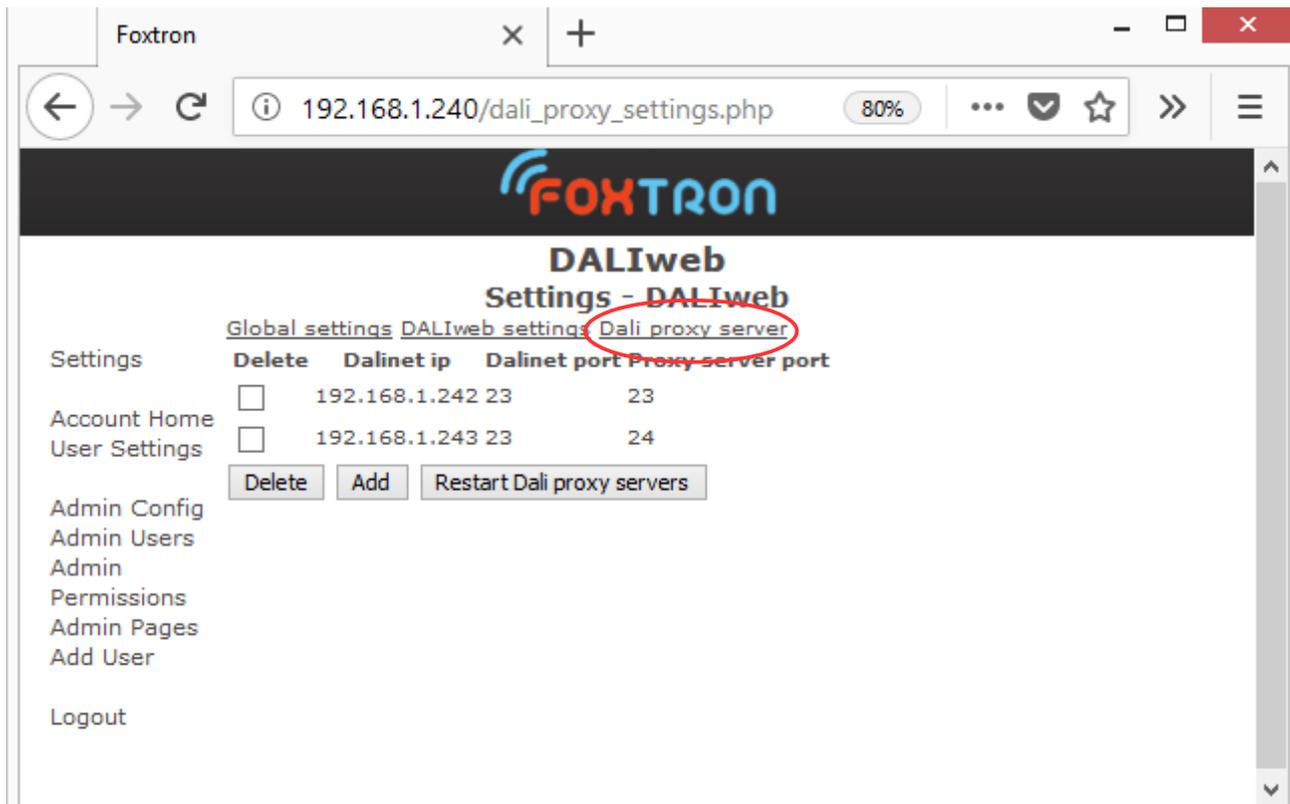
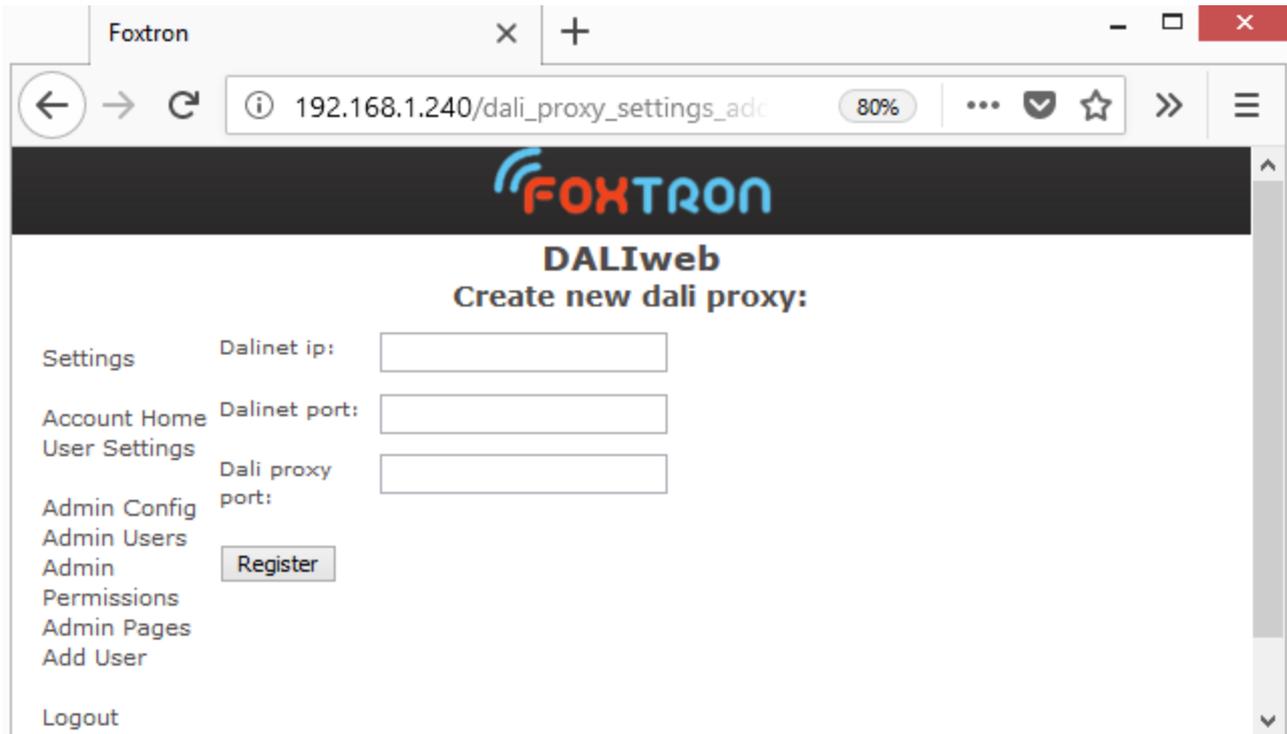


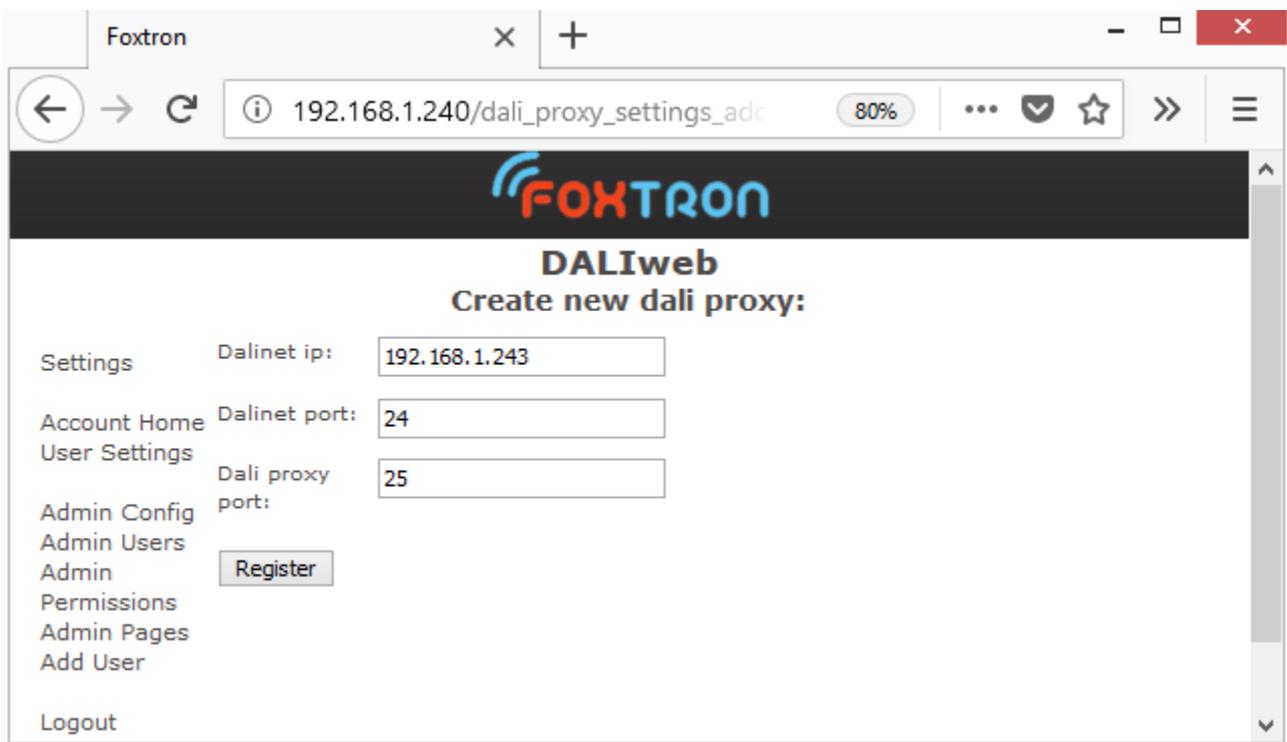
Figure 5: Setting of DALI proxy server

Figure 5 shows the DALIweb setup page. Each line represent the DALIweb instance. To delete the DALIweb instance, you must mark the corresponding row in the Delete column and then press the Delete button. New instance can be created by pressing the Add button after which the Figure 6 form appears.



The screenshot shows a web browser window with the URL `192.168.1.240/dali_proxy_settings_admin`. The page header features the FOXTRON logo. The main heading is "DALIweb Create new dali proxy:". On the left, there is a navigation menu with items: Settings, Account Home, User Settings, Admin Config, Admin Users, Admin, Permissions, Admin Pages, Add User, and Logout. The main form area contains three input fields: "Dalinet ip:", "Dalinet port:", and "Dali proxy port:". A "Register" button is located below the "Dali proxy port:" field.

Figure 5: Form to create a DALIweb instance



This screenshot shows the same "Create new dali proxy" form as Figure 5, but with the input fields populated. The "Dalinet ip:" field contains the value `192.168.1.243`, the "Dalinet port:" field contains `24`, and the "Dali proxy port:" field contains `25`. The "Register" button remains visible below the form fields.

Figure 6: Enter the data of the new DALIweb instance

Figure 6 shows how parameters of the new DALIweb instance are filled in. In the "DALInet ip" box, the ip address of the converter is specified. The "DALInet port" is the number of the TCP port of the converter. The "Dali Proxy port" box specifies the port number of the DALIweb drive on which to create the TCP server of this DALIweb instance (in this case,

the control programs will be able to connect to 192.168.1.240:25). The number given to the port proxy must be unique for each DALIweb instance, the specified DALIweb port must be free (example: you can not use port 80 that is occupied by the web server).

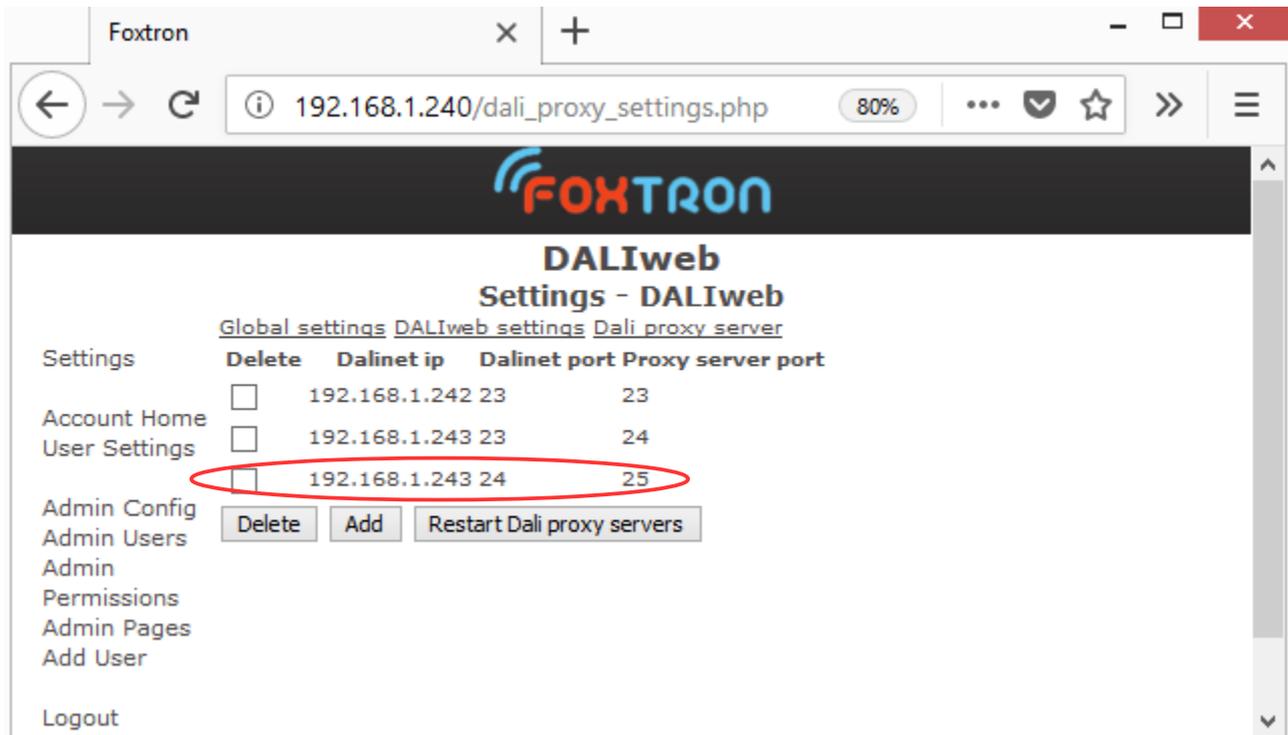


Figure 7: New DALIweb instance

Changes after the registration of the new DALIweb instance will only take effect after the DALIweb restarts (Restart of DALIweb is possible by pressing button **Restart Dali proxy servers**).

Dimmensions (in mm)

