



IQSW-RFL

Service Manual

Additional RF power socket for IQSW_GSMRFL

1. Product features

IQSW_RFL is wireless power socket controlled by the master system QSX_RFL.



Output power socket: It is controlled by sending SMS, by giving a call to it, manually or by the scheduler.

Input power socket: It is used for powering both the internal circuits and the output socket.

LED indicators: LED diode displays operating status of the socket.

RED - Output socket is not powered-on
GREEN - Output socket is powered-on
Dimming - ongoing RF communication



Rear view with label and the 8-digit identification Number.

2. Control

2.1 Controlling by the Master system

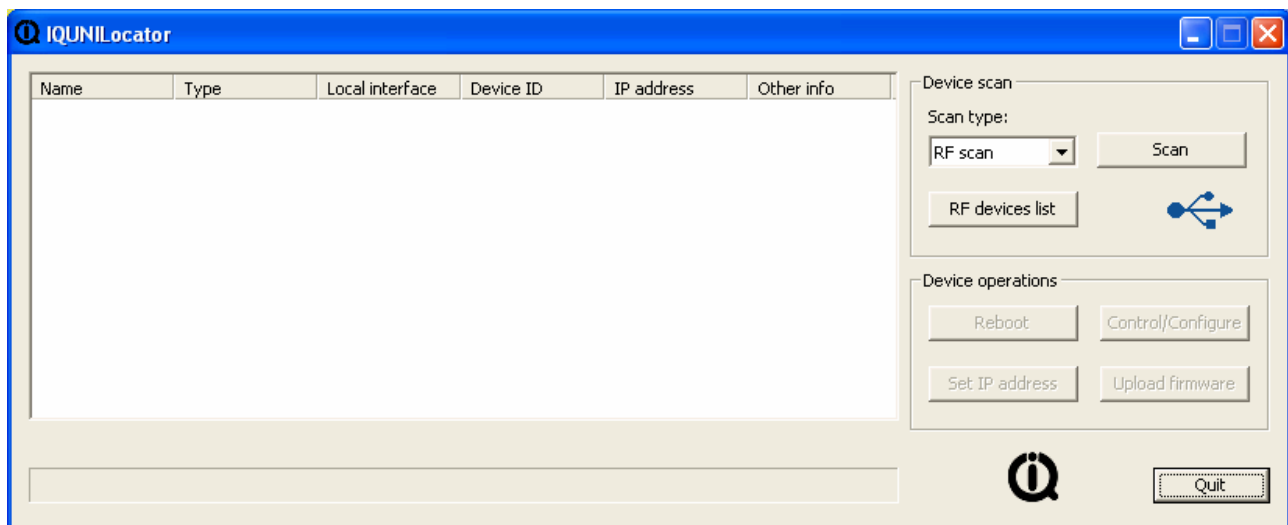
There is a 8-digit identification number on the rear side of the unit, used by the master system for accessing the slave. This number is used also by the USB and the RF communication.

2.2 Controlling by the IQUnilocator

It is possible to control the IQSW_RFL power socket directly from the IQUnilocator utility running on user's PC, using the USB/RF dongle. In case, IQSW_RFL is used in the master system, it is not necessary to configure the socket.

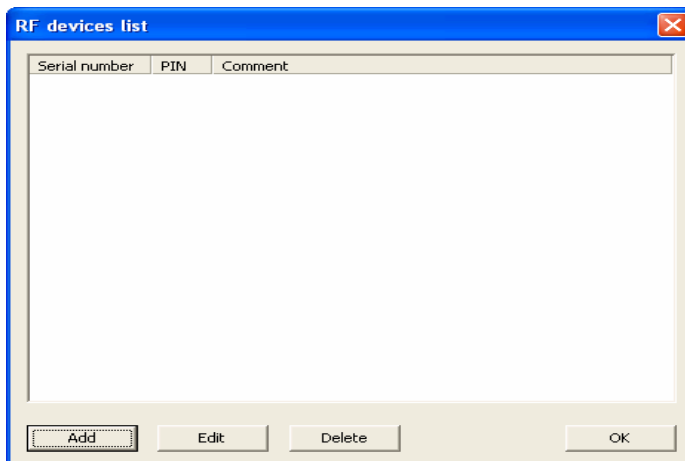


After plugging-in the USB/RF dongle and successful installation of the drivers, run the IQUnilocator.exe application.



If the USB icon is highlighted, the USB/RF dongle is connected and the drivers have been successfully installed.

For searching the RF device it is necessary to declare the RF devices list. Push the "RF devices list" button and following screen shall appear:



Choose **ADD** and type-in the 8-digit serial number of the device printed on the rear side of the socket. Default setting of the PIN is 1234. Optional data entry **comment** is the alias name of the device, helping to recognize the device in large systems.



Add new RF device

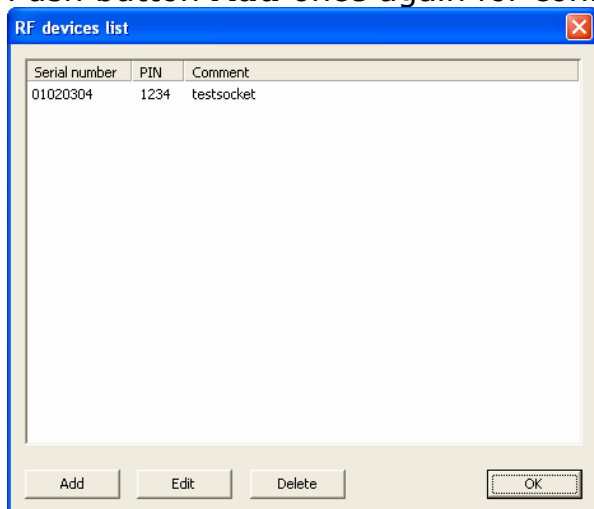
Serial number: 01020304

PIN: 1234

Comment: testsocket

Add Cancel

Push button **Add** once again for confirmation and saving the records.



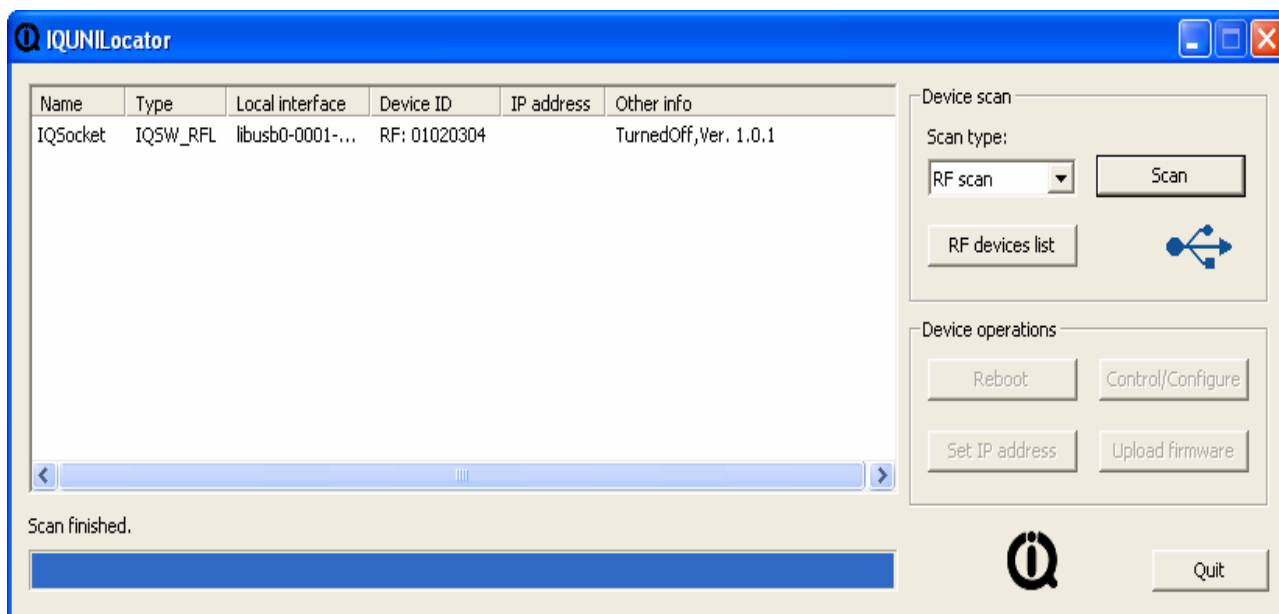
RF devices list

Serial number	PIN	Comment
01020304	1234	testsocket

Add Edit Delete OK

Pushing the **OK** button you escape the “Add” sequence.

After pushing the **SCAN** button, application starts searching for compatible RF devices and displays found RF devices. This might take some time, depending on the number of devices in the list.



IQUNILocator

Name	Type	Local interface	Device ID	IP address	Other info
IQSocket	IQSW_RFL	libusb0-0001-...	RF: 01020304		TurnedOff, Ver. 1.0.1

Scan finished.

Device scan

Scan type: RF scan Scan

RF devices list

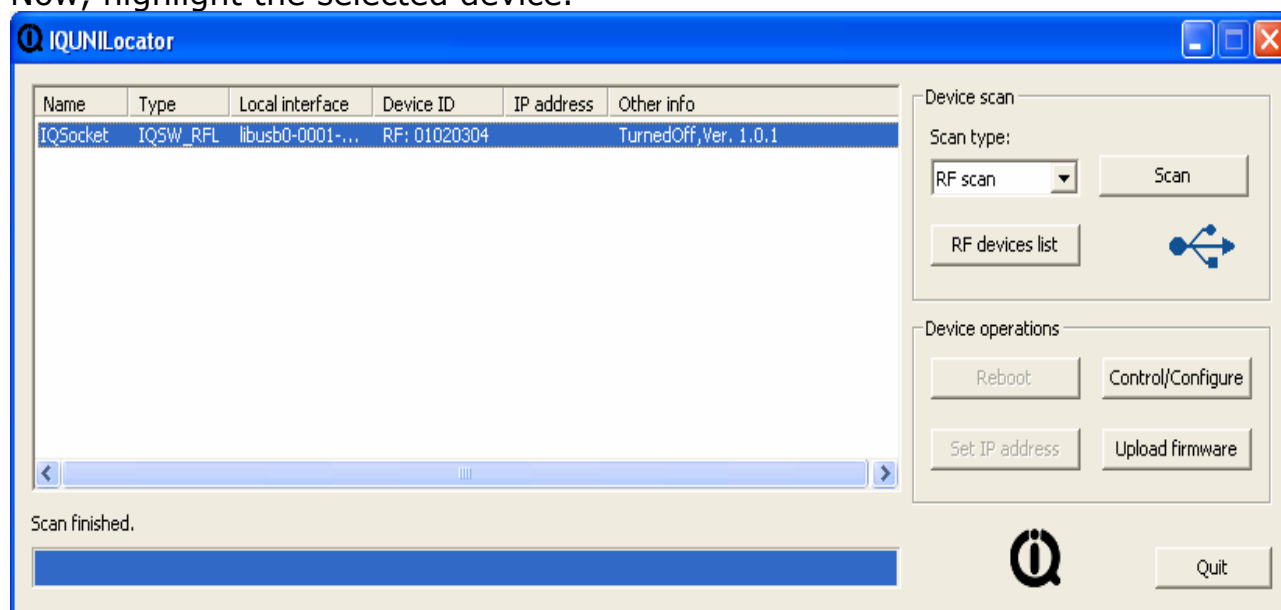
Device operations

Reboot Control/Configure

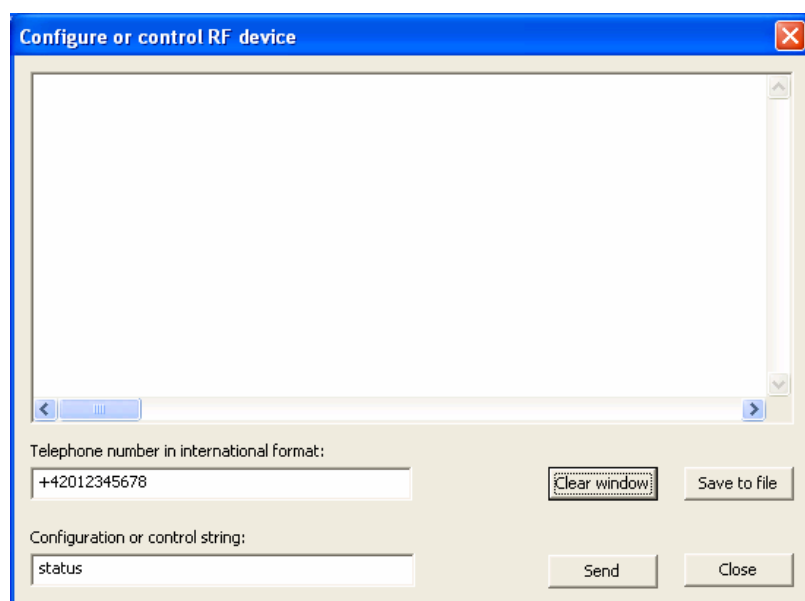
Set IP address Upload firmware

Quit

Now, highlight the selected device.



Pushing the **Control/Configure** button opens configuration screen. Here you can type text commands for controlling the device.



Telephone number is mandatory, it is used for security purposes during the GSM configuration.

Supported text commands are:

Command	Description	Reply
LANG?	Displays the communication language	LANG=(EN),CZ

LANG=CZ	Sets Czech as comm. language	LANG=CZ - OK
STAV	Displays operational status	Off
RESTART	Performs the re-start of the socket, defined by restacas	Re-started
ZAPNI	Switches power socket on	On
VYPNI	Switches power socket off	Off
PIN?	Displays current PIN setting	PIN=1234
PIN=1234	Sets new PIN code. Warning! It is necessary to set the new PIN code also in the RF device list, otherwise the RF communication will be disabled or lost !	PIN=1234 - OK
NAME?	Displays the Device's name	NAME=IQSocket
NAME=name	Sets the Device's name	NAME=íame - OK
RESTARTCAS=XX	Sets nr. of seconds for re-start	RESTARTCAS=XX - OK
RESTARTCAS?	Displays nr. of seconds for re-start	RESTARTCAS=10 sec

Sent commands and received replies are listed in the text field , last one on the top.

Configure or control RF device

21.05.2012 22:05:44 RECEIVED: TurnedOff
21.05.2012 22:05:44 SENT: status
21.05.2012 22:01:26 RECEIVED: Restarted
21.05.2012 22:01:26 SENT: restart
21.05.2012 22:01:23 RECEIVED: TurnedOff
21.05.2012 22:01:22 SENT: turnoff
21.05.2012 22:01:20 RECEIVED: TurnedOn
21.05.2012 22:01:20 SENT: turnon
21.05.2012 22:01:08 RECEIVED: pin=1234
21.05.2012 22:01:08 SENT: pin?
21.05.2012 22:01:04 RECEIVED: name=IQSocket
21.05.2012 22:01:04 SENT: name?

Telephone number in international format:

+42012345678

Clear window

Save to file

Configuration or control string:

status

Send

Close

3. Technical specification

Model	IQSW-RFL
Power supply, consumption	240V 2W
Output	230V/16A, switching relay 30A.
Operating temperature and humidity	0 - 50 °C , max 80 %
Operating conditions	Normal, indoor use only, ingress protection rating: IP40
LED indicators	1x 3mm LED R,G
RF	RF 868MHz 0dBm, duplex flowing code with acknowledgement
Installation category	Nr. II. , overvoltage max. 2500V
Properties	Additional RF power socket
Dimensions	HxWxD/D+socket , 140 x 65 x 55/92 mm
Weight	150g
Antenna	integrated
Communication range	>100m / 30FT in free area