Metrici Observer Radar
- User's guide -

INTRODUCTION

Metrici Observer Radar is a hardware product developed by Metrici, which is set up to work with Metrici LPR detection engines, as a rule enforcer for street traffic or parkings.

The radar will record the speed of a vehicle which will be associated with the detected number plate in Metrici database.

By default, the radar is set to trigger a detection with Metrici LPR when a speed over 30 km/h is detected.

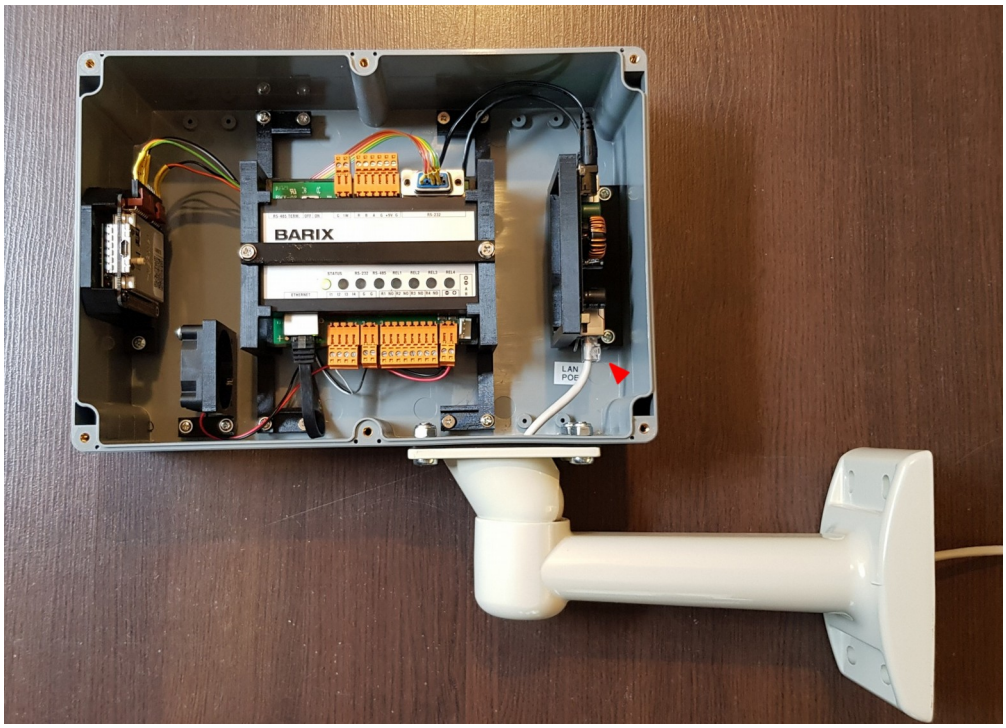
INSTALLATION

When installing Observer Radar, you must first link it to local network. In order to do this, please remove the front screws, as in the next image.

Introduce the LAN wire through the support of the Observer Radar and connect it to the device as the arrow indicates in the next image.

NOTE!

The wire must be linked to a PoE switch as this Observer Radar is PoE powered.



In order to properly function, you will need to set some data in radar menu and also in Metrici Control Panel.

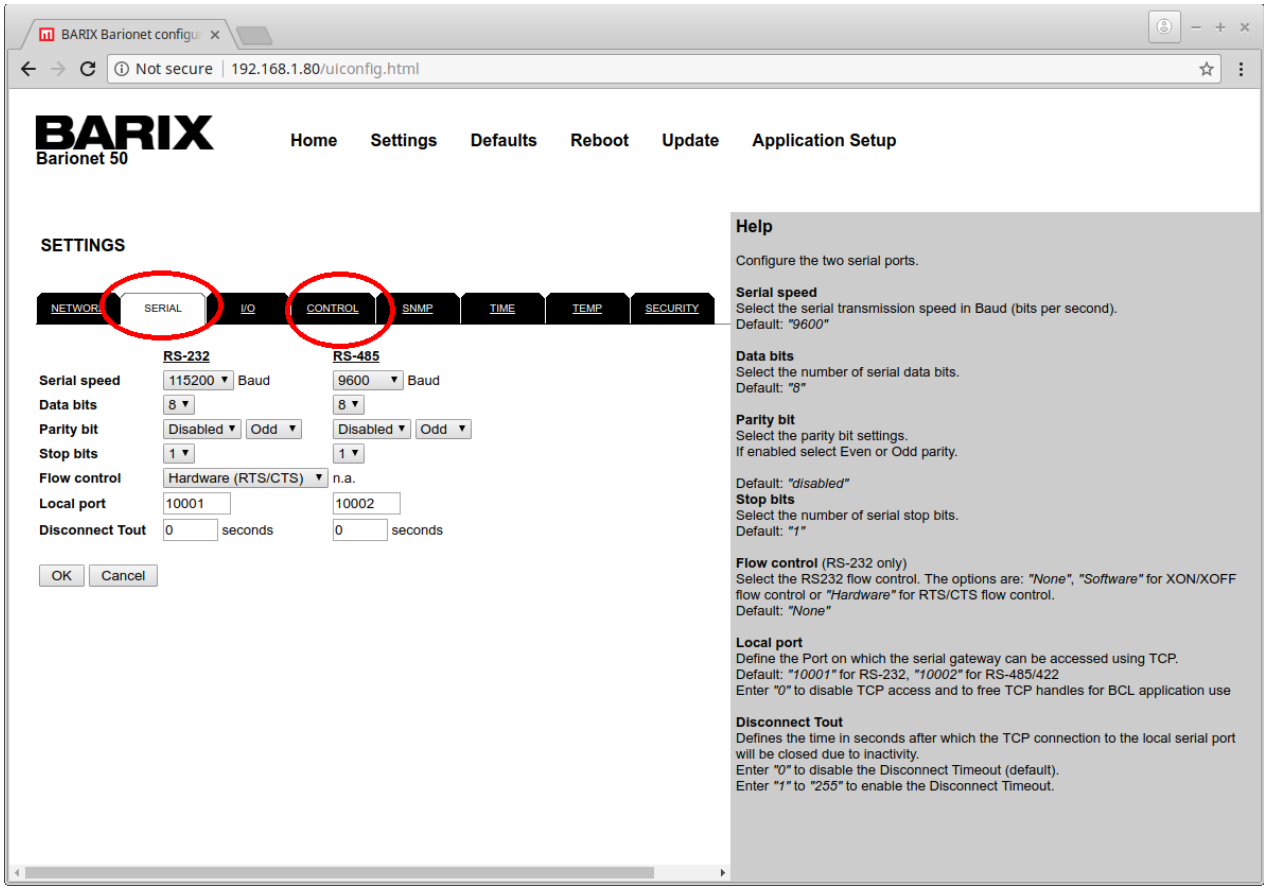
After connecting the **Metrici Observer Radar,** you can set the needed parameters to communicate with Metrici system.

By default, the IP address of Metrici Observer Radar is **192.168.1.80.** You can change it or leave as it is.

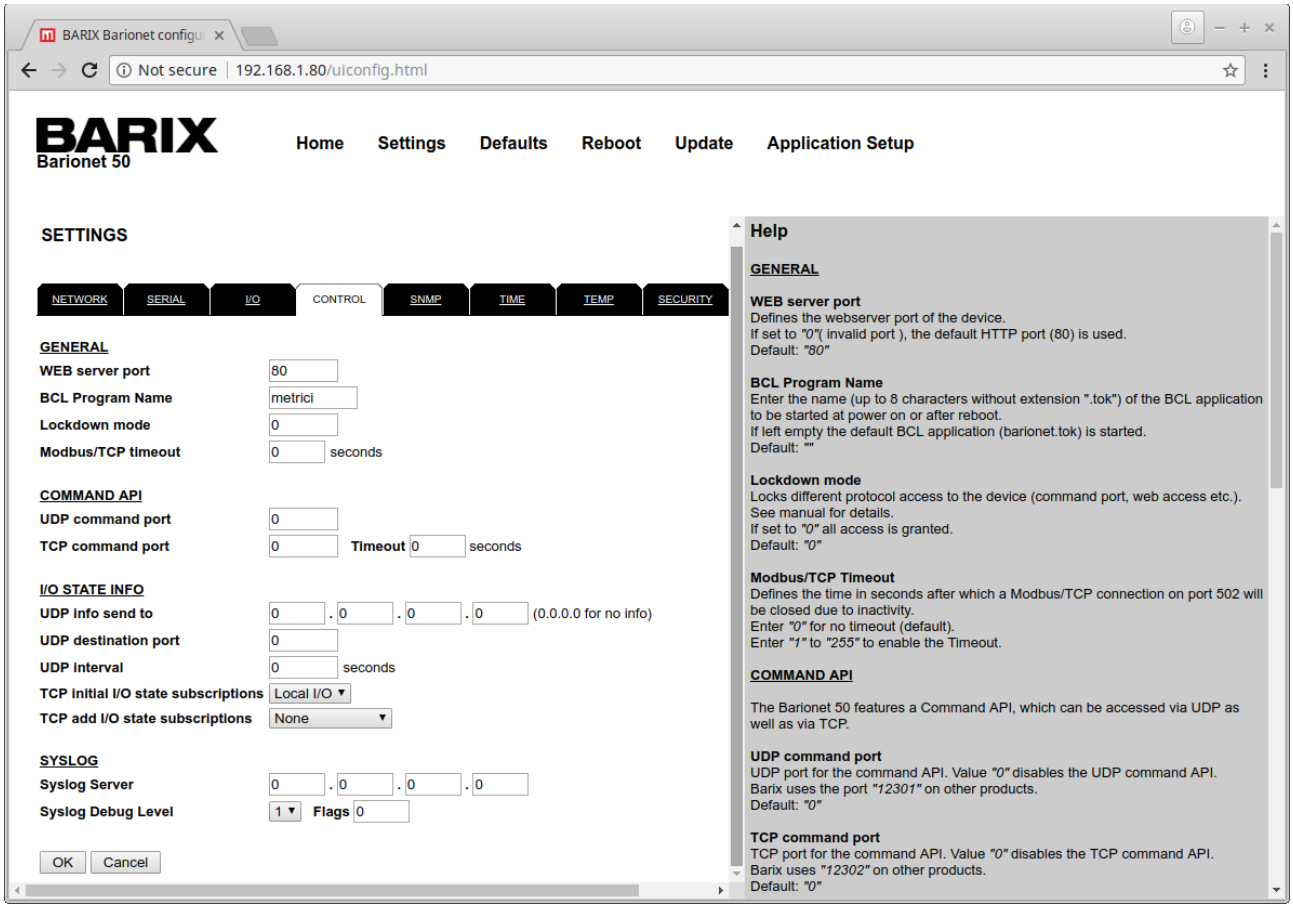
Usually, the Observer Radar comes with the next settings already done. If it is not the case, please respect the following steps.

SETTINGS

To connect to the Observer Radar type the IP address in a browser- 192.168.1.80. In Barix **Settings** choose **SERIAL** tab. For RS-232 option fill in **10001** for **Local port**, as in the next image.

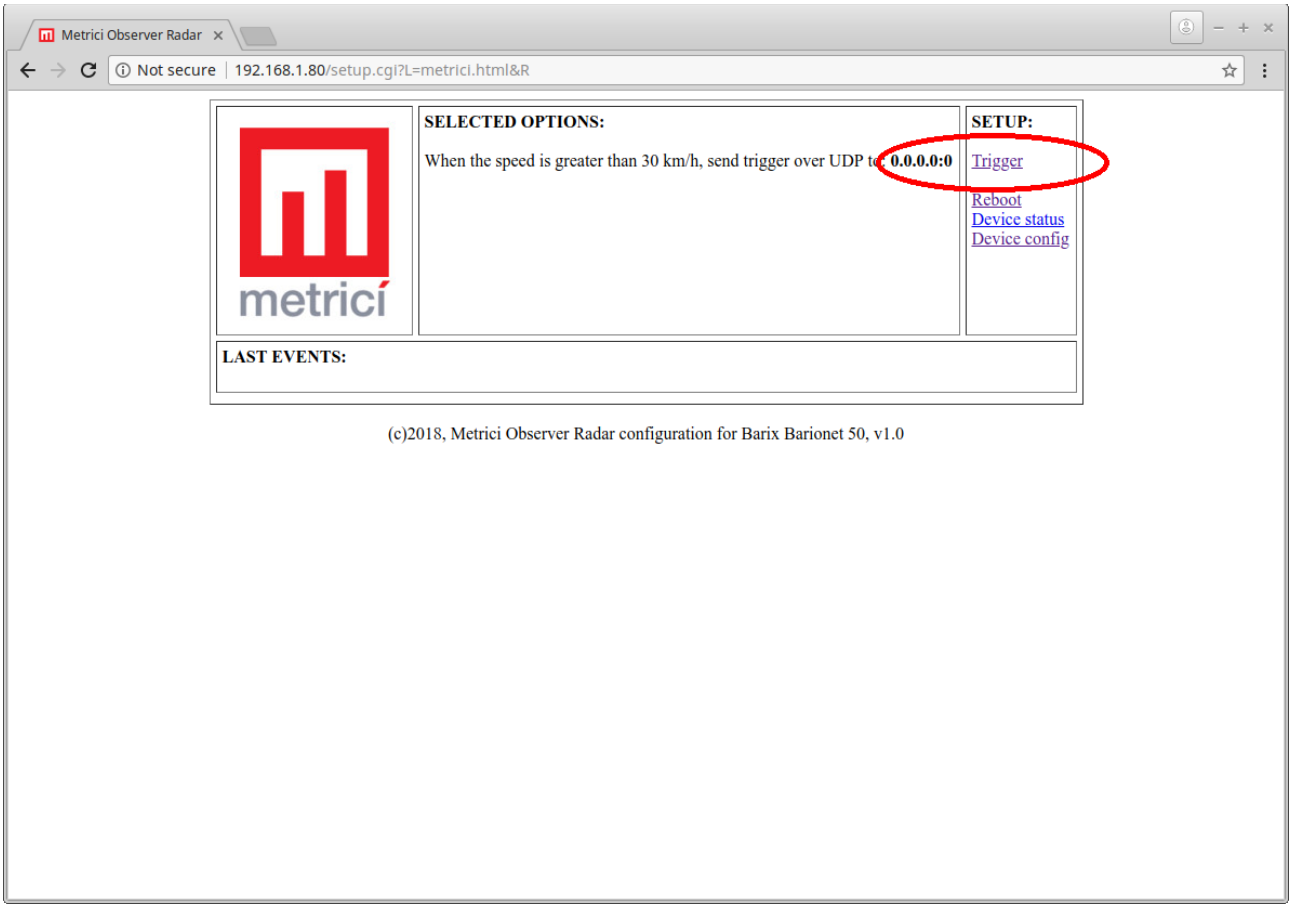


Then go to **CONTROL** tab and fill in **Web server port “80”** and **BCL Program Name “metrici”**, if they are not already filed .



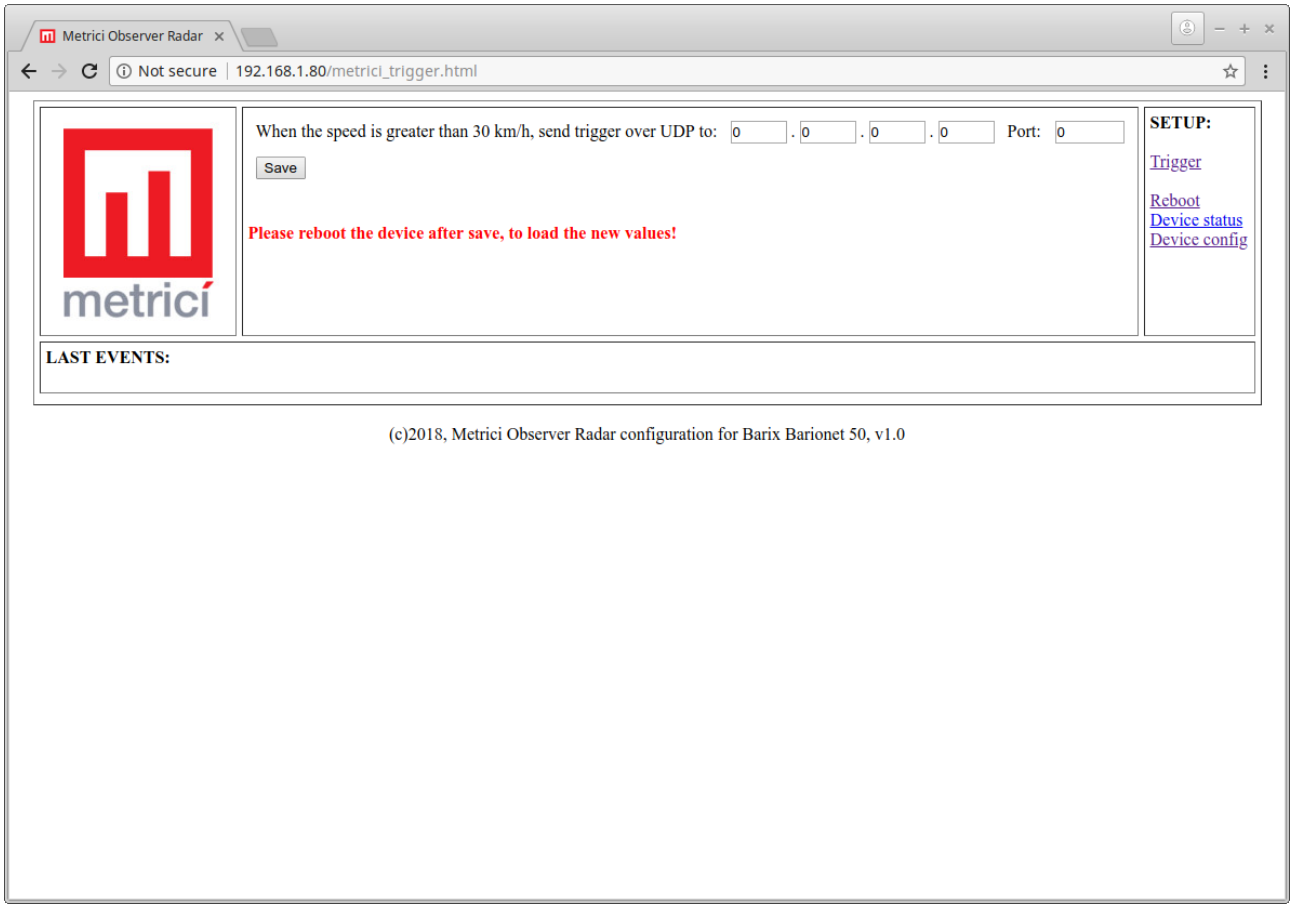
CONNECTION TO METRICI

For the radar to send a trigger to Metrici you need to fill some more parameters. **Go to 192.168.1.80/metrici.html.**



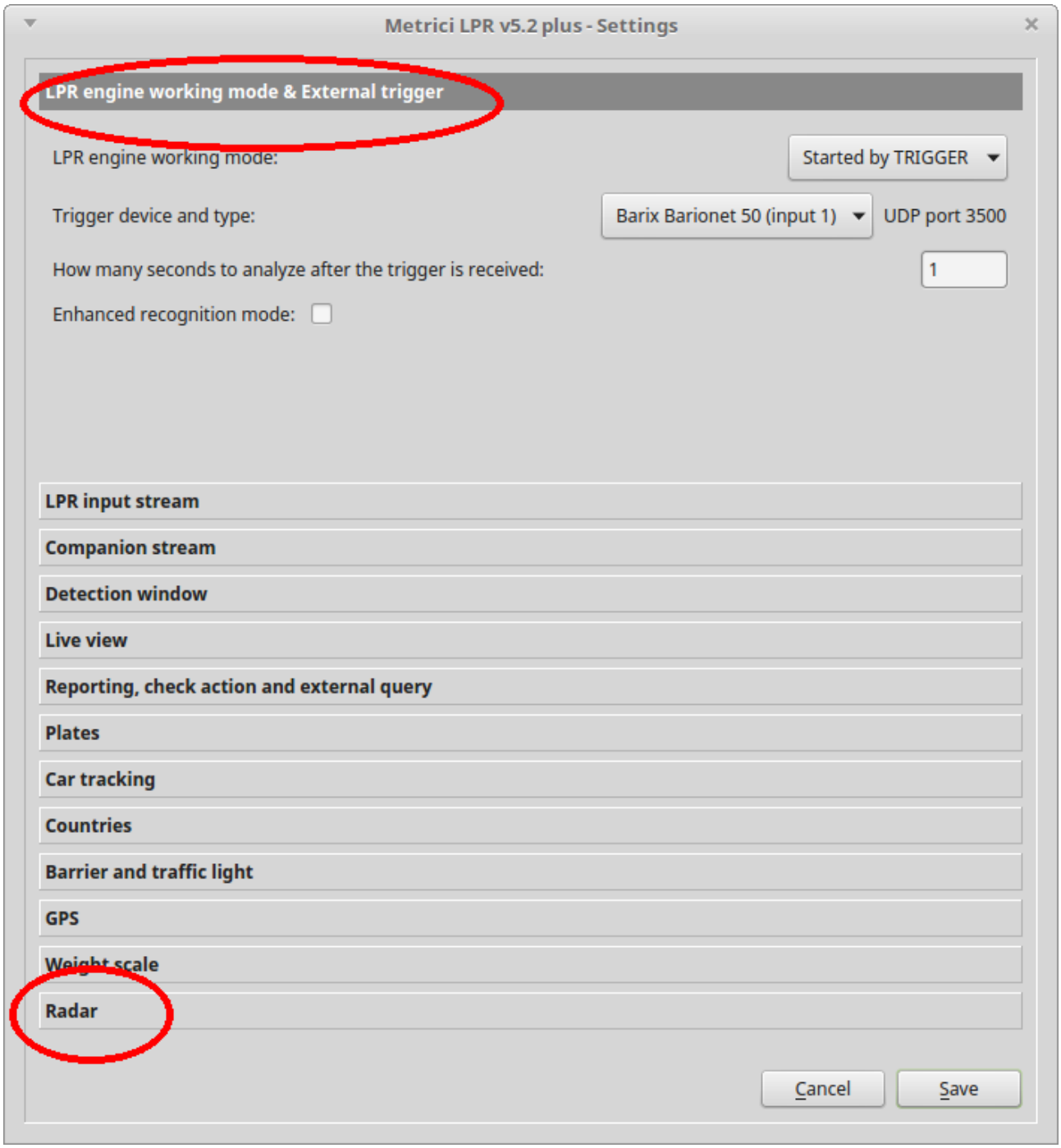
You will enter Metrici Observer Radar interface and the text “When the speed is greater than 30 km/h send trigger over UDP to 0.0.0.0”. Choose **Setup, Trigge**r option to fill in the IP address.

A new window will open as in the next image. The IP adress to be filled in here is the IP address of Metrici Server, where the software is installed. The UDP port is the port generated by Metrici Control Panel.

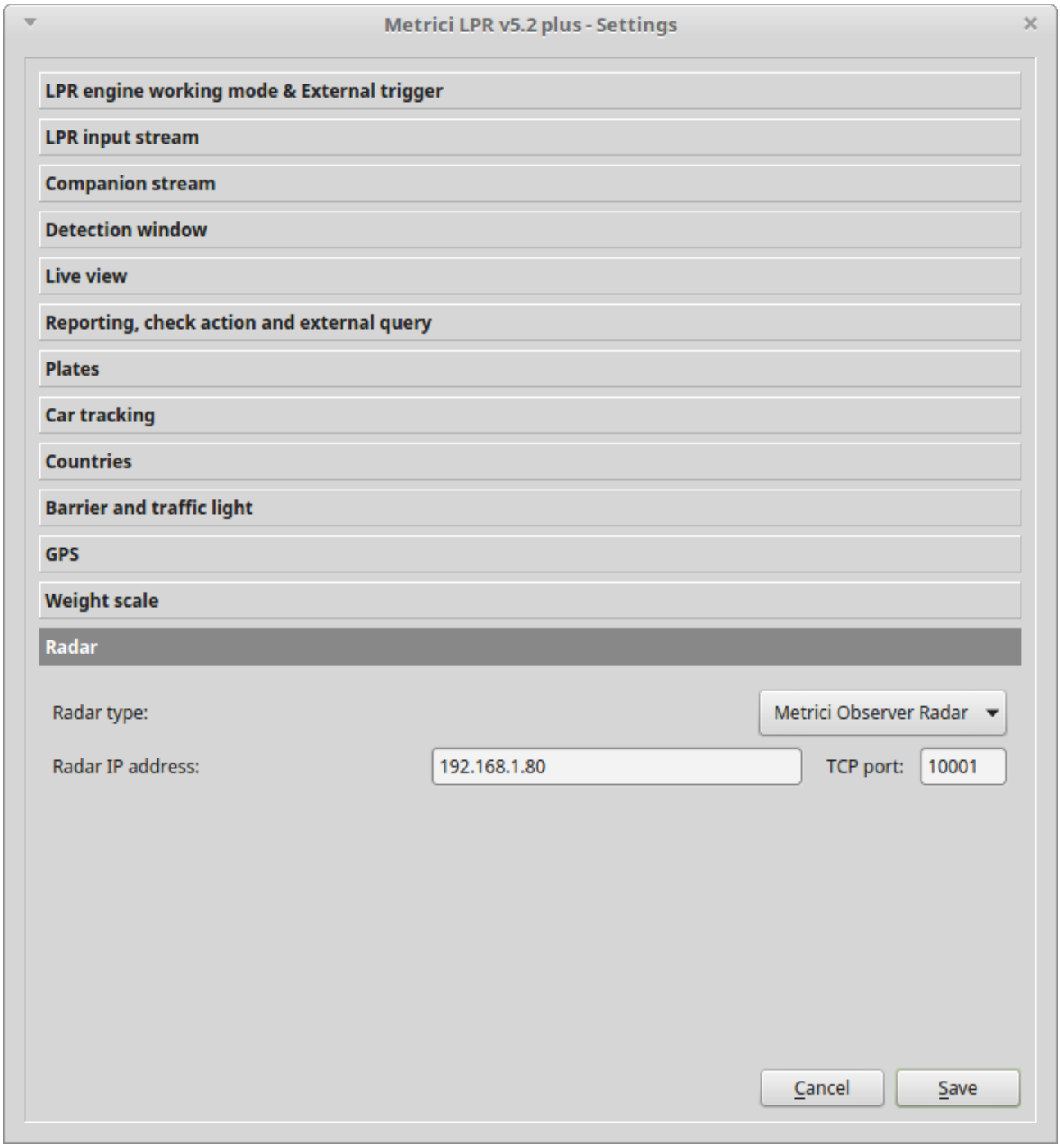


Now go to Metrici LPR and for **LPR Engine Working Mode and External Trigger,** we recommend using option Continuous and Started by TRIGGER.

At **Trigger device and type** choose Barix Barionet 50, and write down the UDP port to be filled in Radar interface.


Metrici LPR v5.2 plus - Settings
LPR engine working mode & External trigger
LPR engine working mode:
Started by TRIGGER
Trigger device and type:
Barix Barionet 50 (input 1)
UDP port 3500
How many seconds to analyze after the trigger is received:
1
Enhanced recognition mode:
LPR input stream
Companion stream
Detection window
Live view
Reporting, check action and external query
Plates
Car tracking
Countries
Barrier and traffic light
GPS
Weight scale
Radar
Cancel
Save

Now go to **Radar** tab. A new window will open as in the next image.



Choose the Radar Type, fill in its IP address (the default one is 192.168.1.80) and the TCP port as it is in the Barix Serial Settings.

When **Metrici Observer Radar** is connected, after correctly filling the required data (IP address and TCP Port), the image of the license plate detected by Metrici will be saved together with the recorded speed of the vehicle.

All recorded data can be later seen in Metrici Web Interface. The speed of a vehicle, the image from the moment of license plate detection and if it's the case an image from companion camera are saved together and linked in database.