

## Remote Config Xavier Manual v1.0

MainWindow

**k<sub>tc</sub> International**  
PARKING AUTOMATION, INTELLIGENT TRAFFIC

**Xavier Settings**

IP

Config Path

**Mobile/Seatbelt Camera**

**Pedestrian Camera (ANPR)**

Authored by: Hood Khizer

<b>The Visual Elements:</b>	<b>4</b>
<b>Launching the application:</b>	<b>5</b>
<b>The Workflow:</b>	<b>5</b>
<b>Troubleshooting:</b>	<b>7</b>

# The Visual Elements:

The screenshot shows a software window titled "MainWindow" with a light blue background. At the top center is the "k<sup>tc</sup> International" logo, with "k<sup>tc</sup>" in red and blue and "International" in blue. Below the logo is the text "PARKING AUTOMATION, INTELLIGENT TRAFFIC".

The interface is divided into several sections:

- Xavier Settings:** A section containing three input fields and three buttons.
  - IP:** An input field containing "172.16.129.159".
  - Config Path:** An input field containing "/srv/pms/detect/config".
  - Buttons:** "Get Settings from Xavier", "Send Settings to Xavier", and "Restart Xavier" (highlighted in yellow).
- Mobile/Seatbelt Camera:** A section containing an input field with "192.168.100.45" and a "Set Cam IP" button.
- Pedestrian Camera (ANPR):** A section containing an input field with "192.168.100.45" and a "Set Cam IP" button.
- Run Config App:** A button at the bottom center.

Annotations with arrows point to the following elements:

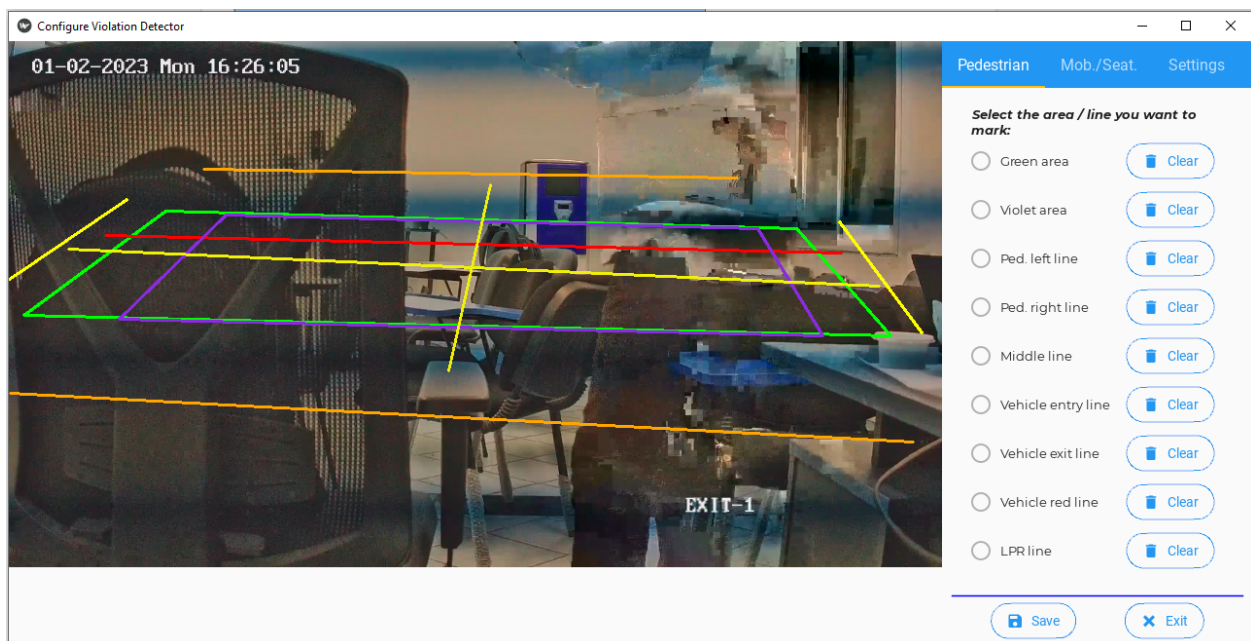
- IP address for target xavier (points to the IP input field)
- Location of config directory at target xavier (points to the Config Path input field)
- Get settings files from target xavier (points to the "Get Settings from Xavier" button)
- Send settings files to target xavier (points to the "Send Settings to Xavier" button)
- Restart Xavier (points to the "Restart Xavier" button)
- IP setting for mobile and seatbelt camera (points to the "Set Cam IP" button in the Mobile/Seatbelt Camera section)
- IP settings for ANPR camera (points to the "Set Cam IP" button in the Pedestrian Camera (ANPR) section)
- Launches the zone configuration application (points to the "Run Config App" button)

## Launching the application:

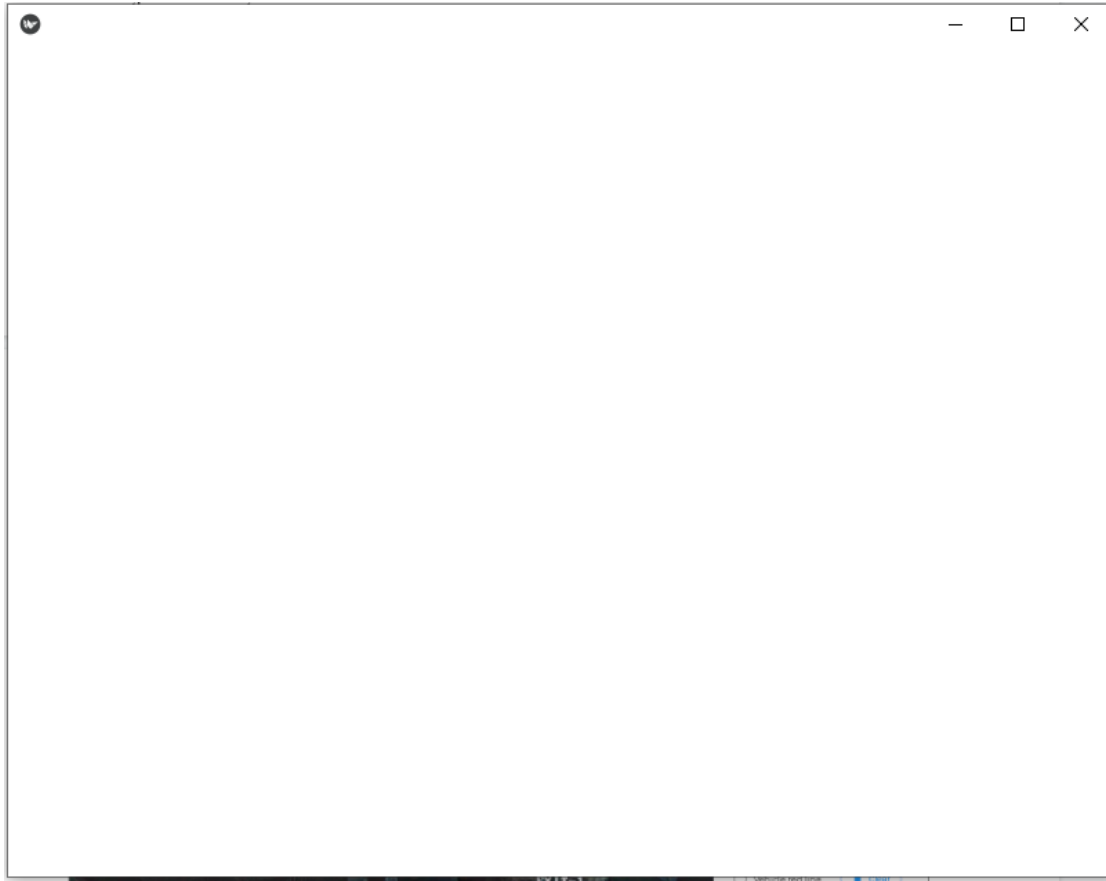
1. Extract the contents of the provided zip
2. Open command prompt
3. Change directory into the extracted folder "`cd RemoteConfig`"
4. Run command: "`conda create --name rmconfig --file requirements.txt`"
5. Activate the environment: "`conda activate rmconfig`"
6. Run the application: "`python main.py`"

## The Workflow:

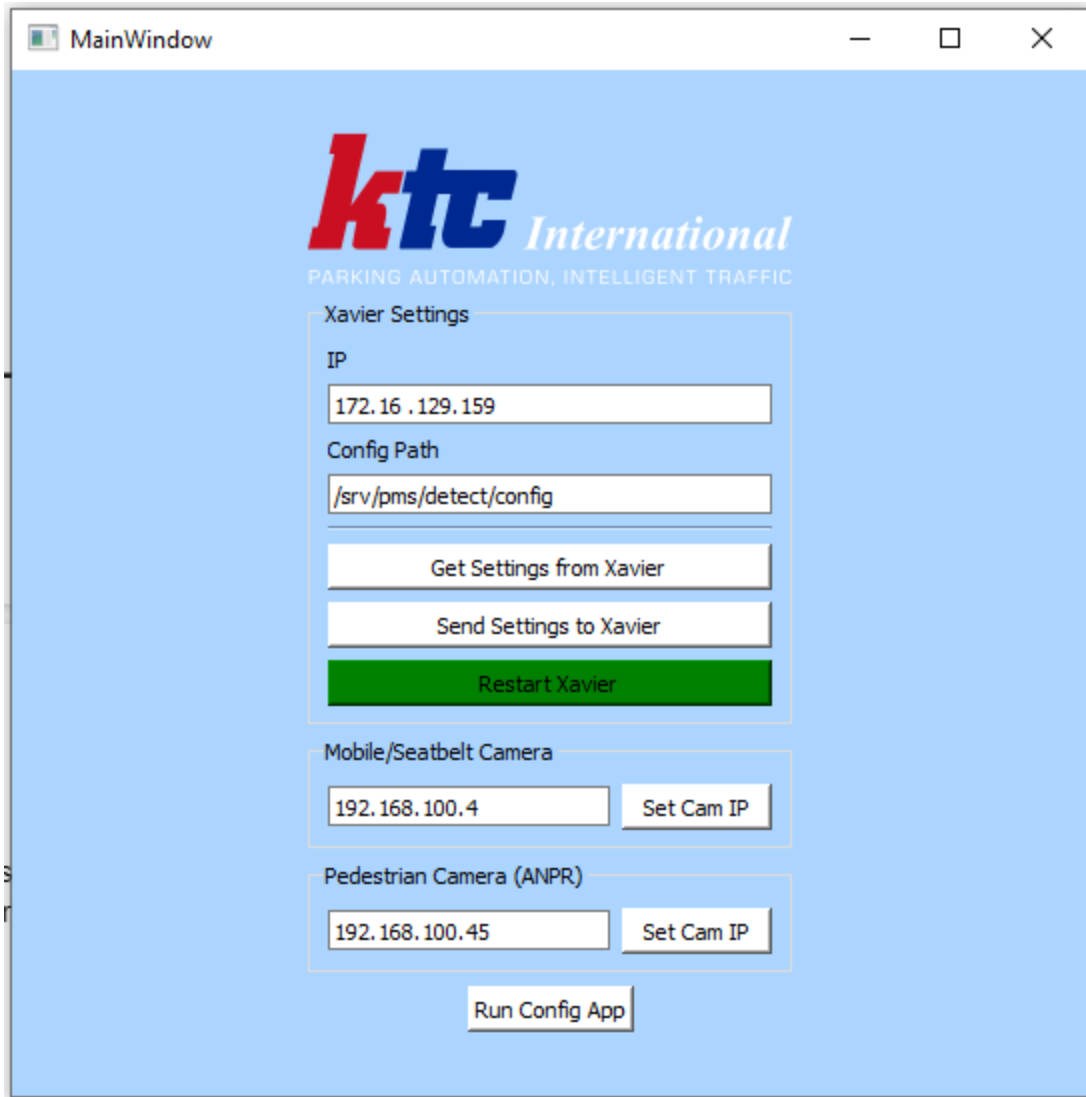
1. Enter the IP and Config Path for Xavier. Also ensure that IP settings for both cameras are set properly. Double check settings for any typos.
2. You can choose to either press "Get Settings from Xavier" or "Run Config App".
  - a. Pressing "Get Settings from Xavier" copies existing configuration files from Xavier and populates them on the screen.
  - b. Pressing "Run Config App" results in launching of the zone configuration application. If the "Run Config App" button is disabled it means there are no config files present on the laptop and you must press "Get Settings from Xavier".
3. You will see a familiar screen as seen below. Configure your zones as you normally would and press save.



- a. If you are unable to see this screen and see something like this instead, make sure that the IPs are correct and there are no network issues.



4. After saving and exiting the zone configuration application, press “Send Settings to Xavier”. Once done, the “Restart Xavier” button will turn green.



5. Proceed to restart xavier. You are done.

## Troubleshooting:

1. Email the troubleshooter: [Hoodkhizer@gmail.com](mailto:Hoodkhizer@gmail.com)