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| AUTOMATIC LICENSE PLATE RECOGNITION TECHNICAL MANUAL |
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| **By**  **Anthony Tierney** |
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| AUTOMATIC LICENSE PLATE RECOGNITION TECHNICAL MANUAL  Anthony Tierney  I.T. Carlow, Kilkenny Road, Carlow |
| 28-Apr-14 |
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# Install

### Working on Android KitKat

* Initial Setup
  + Go to settings
  + Go to security
  + Tick the box “Unknown souces”
* Connect the device to a computer via USB Cable
  + Navigate to where the ALPREire.apk file is
  + Copy the file to the sd card on the device
  + Disconnect the device when the transfer is complete
* Navigate to where the file is on the device through a file manager app
  + Click on the file
  + Allow the file to Install
* Find the app in the app drawer and tap the icon to open the app
  + Ensure that the device has an active internet connection

# Setup Car Parks

* Open the app and use the default admin account
  + Login user id and password are “admiin”
* Press the menu button and select Manage Car Park
* Enter the details of the new Car Park
* Click save

# Setup Users

* Open the app and use the default login account
* Press the menu button and select Manage Users
* Enter the details of the new user
  + To edit existing user select their name from the drop down menu
  + Alter the necessary details
* Click “New User”
  + Click “Save” to save changes to existing users

# Add Vehicles

* Open the app and use the default Login account
* Press the menu button and click Manage Car Parks
* Click on Add vehicle
* Add the necessary details
* Click Save
* A notification will appear of the status of the operation

# Scan Licence plate

* Open the app and use the default Login account
* Align the licence plate within the green boundary box
* Click the camera icon to capture the image
* The licence plate is the extracted
  + If this fails to produce a result then:
    - Press the menu button
    - Click “Manual Entry”
    - Enter the Licence plate in the text box
    - Click Ok
* The legality of the parked vehicle is shown on a notification