

GoPal[®] System

Technical Note

P35 Manual Charging, No Dispatcher

robotize
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Contents

1 Introduction3

2 Access P35 webserver.....3

3 Enable charging.....4

Figures

Figure 1: P35 webserver3

Figure 2: P35 Charging Pane4

Figure 3: P35 Charging Details5

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1 Introduction

This technical note provides a detailed guide on how to manually charge the P35 robot without relying on the Dispatcher. It provides step-by-step instructions to ensure charging of P35 when automated Dispatcher charging is unavailable.

2 Access P35 webserver

This chapter outlines how to access the P35 webserver to control the robot.

1. Switch on the main switch of the robot
2. Turn the key to LOCAL mode, wait 45 seconds for the robot to boot up.
3. Connect to the robot established access point, password: 12345678
4. Enter the robot webserver at <http://192.168.8.1:8080>

See details in Figure 1.

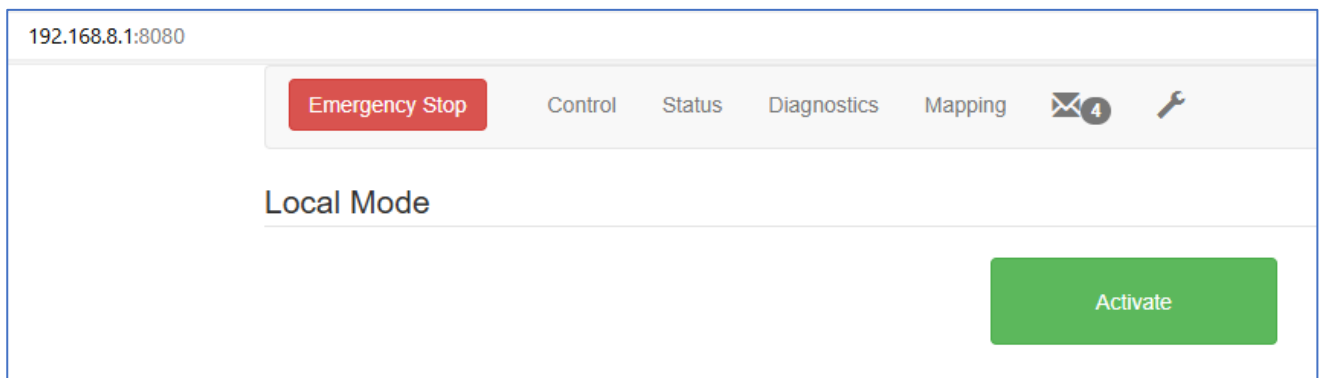


Figure 1: P35 webserver

3 Enable charging

This chapter details how to initiate charging when the robot is positioned in the wireless charger. To maximize charging efficiency, ensure the robot is properly aligned over the charger tongue.

In the webserver press the green Activate button (see Figure 1 above) to get access to the menus.

Select the charging pane. See Figure 2.

192.168.8.1:8080

Emergency Stop Control Status Diagnostics Mapping 4

Local Mode

Deactivate

Keyboard Joystick Top Module Lift Pose Load Status **Charging**

Control Charging

State Of Charge	89%
Cell Voltage Min	3300 mV
Cell Voltage Max	3308 mV
Current	-1.7 A
Charger Efficiency	0.0%
Charging State	Automatic

Start charging Stop charging

Figure 2: P35 Charging Pane

Press the Start charging button and wait for the charger to ramp up the charging current. See Figure 3 showing the charging details.

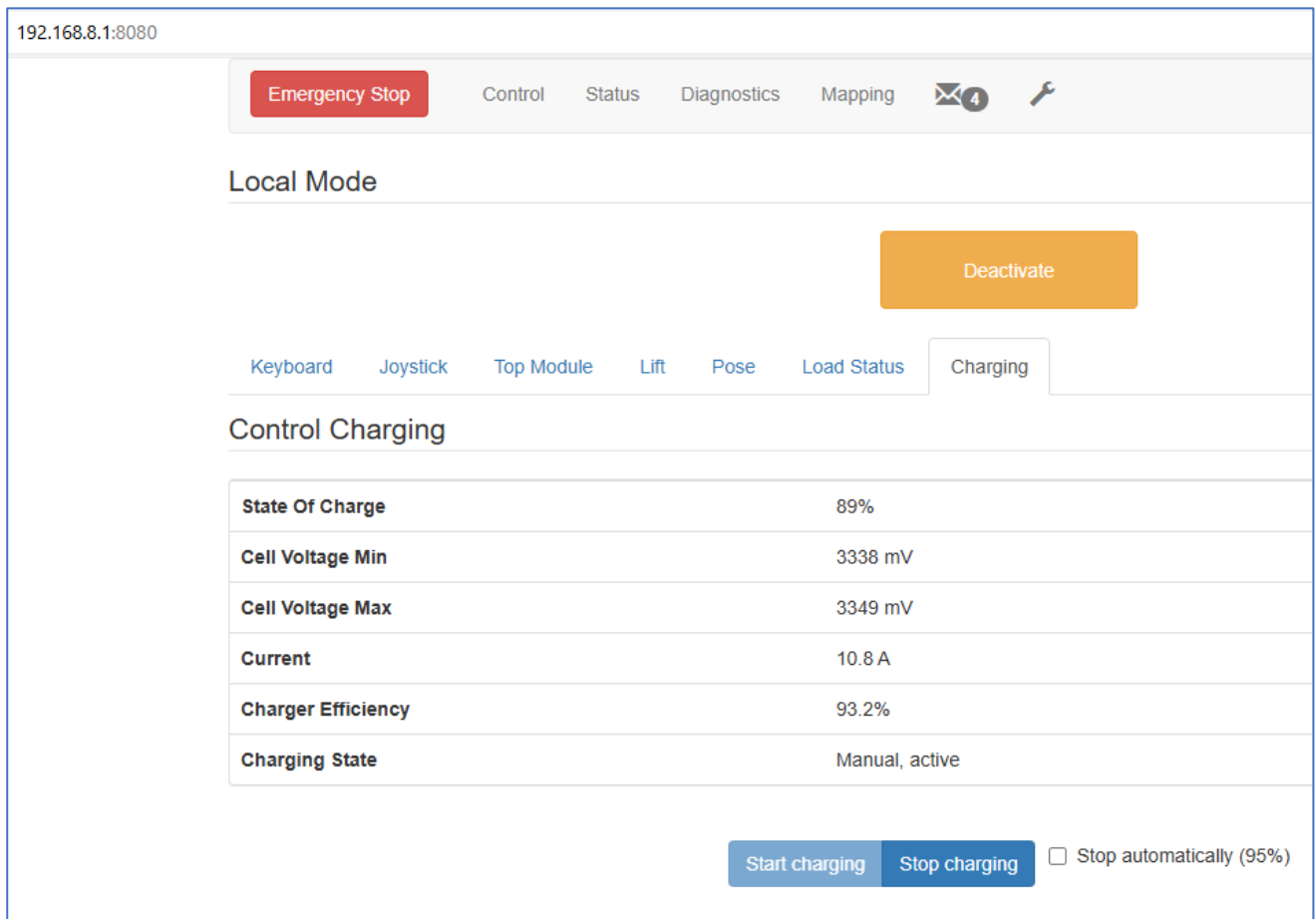


Figure 3: P35 Charging Details

The Charger Efficiency figure shows how well the P35 robot is aligned with the charge tongue. If the charger efficiency is low, try repositioning the robot for better alignment over the charger tongue.