

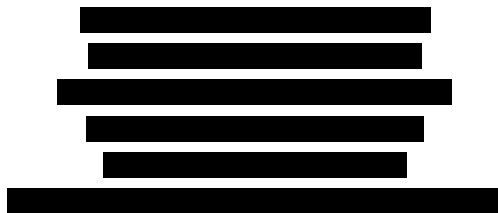
---

# User Manual

for

<Lunar Rover Mapping Robot>

Prepared by



# Contents

<b>1</b>	<b>Introduction</b>	<b>3</b>
1.1	Purpose . . . . .	3
1.2	Assumptions . . . . .	3
1.3	Feature Clarifications . . . . .	3
1.4	Intended Audiences . . . . .	3
1.5	References . . . . .	3
1.6	Organization of the Manual . . . . .	4
1.7	Acronyms . . . . .	4
<b>2</b>	<b>System Summary</b>	<b>5</b>
2.1	System Configuration . . . . .	5
2.2	System Architecture . . . . .	5
2.3	Contingencies . . . . .	6
<b>3</b>	<b>Getting Started</b>	<b>6</b>
3.1	Connectivity & Starting Up . . . . .	6
3.1.1	Lunar Rover . . . . .	6
3.1.2	System . . . . .	7
<b>4</b>	<b>Rover Movement</b>	<b>16</b>
4.1	Setting Up (System) . . . . .	16
4.2	Controlling the Rover . . . . .	17
<b>5</b>	<b>GUI Interaction</b>	<b>23</b>
5.1	Control Panel . . . . .	23
5.1.1	Adding of No-Go Zones . . . . .	23
5.1.2	Deletion of No-Go Zones . . . . .	25
5.1.3	Saving of Map . . . . .	26
5.1.4	Loading of Map . . . . .	27
5.1.5	Disconnecting System & Rover . . . . .	29
5.1.6	Shutting Down System & Rover . . . . .	30
<b>6</b>	<b>Troubleshooting</b>	<b>33</b>
6.1	General . . . . .	33
6.2	Troubleshooting Steps . . . . .	33