

AUXILIARY SWITCH BOX USER GUIDE



(IN ENGLISH)



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CONTENTS

1	Auxiliary Switch Box Function	2
1.1	Operation	2
1.2	Program Variety	2
2	Hardware and Connections	2
2.1	Four Models Variants.....	2
2.2	Controls and Connections	3
2.3	Mounting.....	3
3	Switch Box and Program Selection	4
3.1	Switch Box and Program Selection Guide.....	4
4	Program 0: Basic, Toggle Selects Leg.....	5
5	- Program 1: Basic, Toggle Drives Left and Right Power Legrest	5
6	- Program 2: Basic, Toggle Operates Steering Lock, Transfer Tilt or Retractable Docking Pin	6
7	- Program 3: Comprehensive - alternating, Toggle Operates Steering Lock, Transfer Tilt or Retractable Docking Pin	6
8	- Program 4: No Joystick, Tilt, Recline and Layback for Chin / Head Control	7
9	User Buttons and Remote Toggle	7
10	Rain and Water	8
11	Care and Maintenance.....	8
11.1	Control System Care	8
11.2	Daily Checks.....	8
11.3	Weekly Checks.....	8
11.4	Annual Checks.....	8
12	Head Office and Operations	8

1 Auxiliary Switch Box Function

The Auxiliary Switch Box (ASB) is designed to allow the user to access the chair's power seating functions without needing to enter the Joystick Module's menu.

The ASB does not allow power seating functions to be activated whilst driving.

This manual is a supplement to and should be read in conjunction with your Magic Mobility Power Wheelchair Owner's Manual

1.1 Operation

The procedure for accessing your chair's power functions using the ASB is:

1. Stop driving (but leave Joystick in Drive Mode)
2. Use the ASB to adjust the power seating functions as required
3. Resume driving




1.2 Program Variety

The ASB contains a number of application specific programs that can be selected according to the configuration of the wheelchair and the customer's requirements. Retrofitting

If retrofitting an ASB to an existing chair, programming changes are required. Contact Magic Mobility for assistance

2 Hardware and Connections

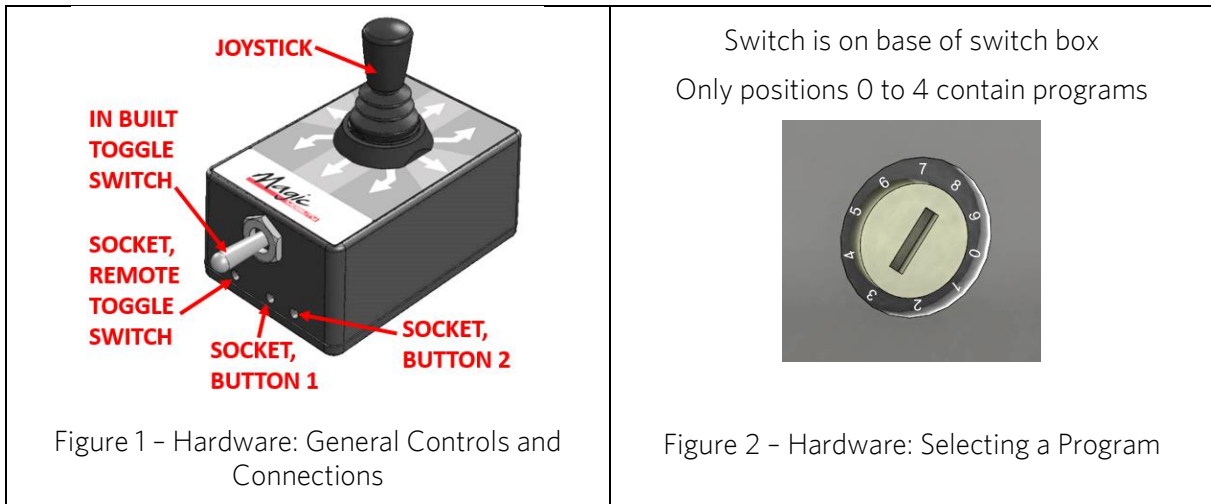
2.1 Four Models Variants

Model	Features	Image
S	2 Button Sockets 1 Remote Toggle Socket	
JS	2 Button Sockets 1 Remote Toggle Socket 1 Joystick	
JTS	2 Button Sockets 1 Remote Toggle Socket** 1 Joystick 1 In Built Spring-Return Toggle	
JTSN	2 Button Sockets 1 Remote Toggle Socket** 1 Joystick 1 In Built Non-Spring-Return Toggle	

User buttons and remote toggle or rocker switches are optional and can be used for additional functions.

**A remote toggle replicates the function of the toggle on the ASB and therefore cannot be used simultaneously as they could conflict

2.2 Controls and Connections



Item	Function
Remote Toggle Switch Socket	Plug in remote toggle switch. The switch behaves the same way as the in-built toggle and drives the same functions according to the selected program
Socket 1	Plug in user button 1. Press button to drive tilt actuator
Socket 2	Plug in user button 2. Press button to drive layback actuators.
Joystick	Deflect joystick in one of 8 directions to drive actuators according to the selected program
In Built Toggle Switch	Deflect to left, centre or right to select or drive actuators according to the selected program

2.3 Mounting

The Auxilliary Switch Box can be mounted on either of the side rails next to the seat

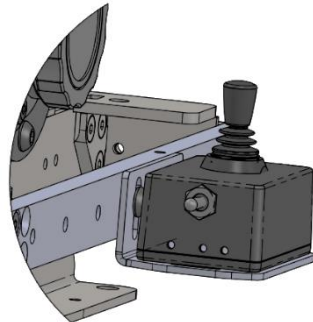
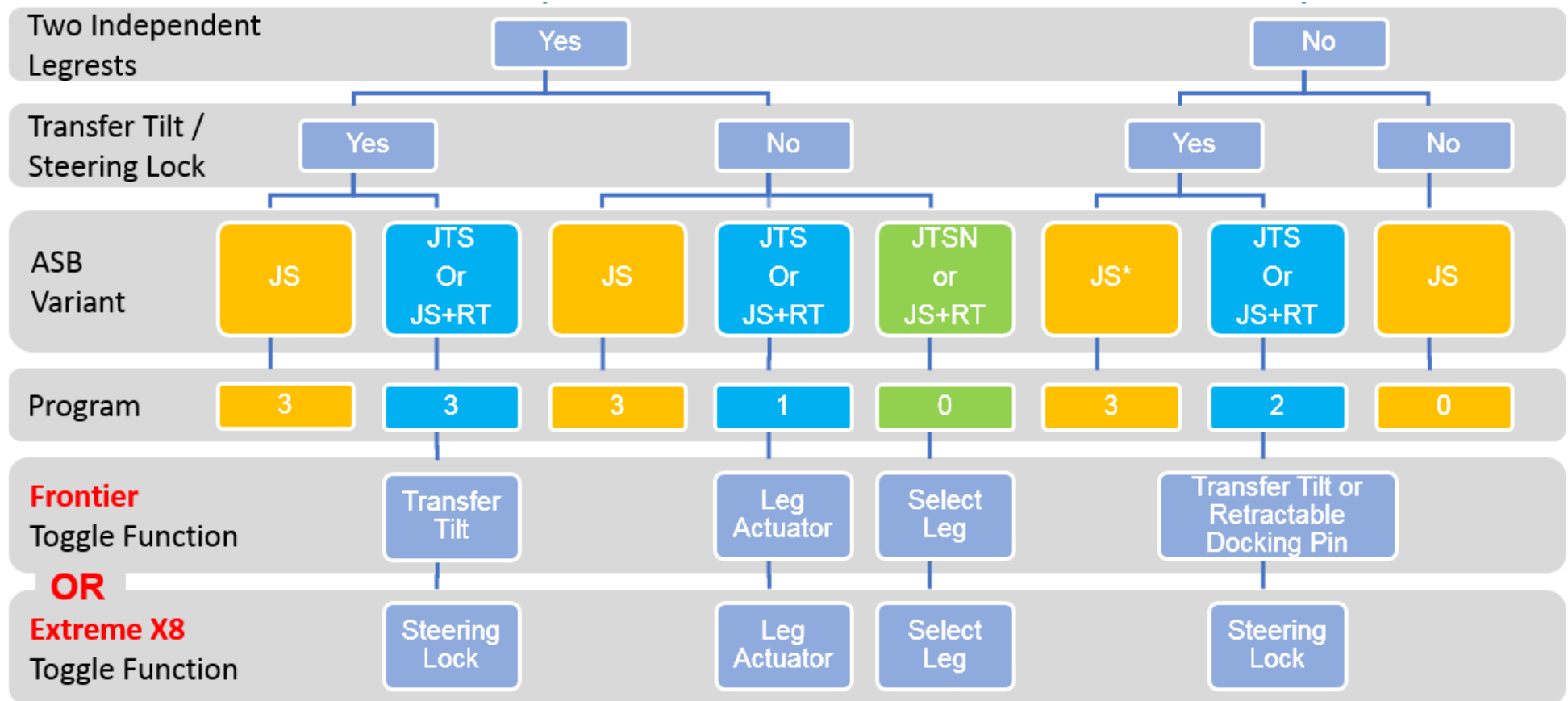


Figure 3 - Hardware: Mounting

3 Switch Box and Program Selection

The ASB is equipped with 5 different programs. The following charts will help you select the best joystick-using program for each customer's requirements.

3.1 Switch Box and Program Selection Guide



*This indicates a combination where a less recommended program can be used to allow the desired functions to be accessed without a toggle.

4 Program 0: Basic, Toggle Selects Leg

	<p>Requires a non-spring-return Toggle Switch.</p> <p>Toggle switch SELECTS the leg option to operate</p> <p>The joystick then OPERATES the legrest</p> <p>Program does not support transfer tilt, retractable docking pin or steering lock.</p>
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5 - Program 1: Basic, Toggle Drives Left and Right Power Legrest

	<p>This requires a spring-return Toggle Switch.</p> <p>The toggle switch OPERATES the legrest</p> <p>Program does not support transfer tilt, retractable docking pin or steering lock</p>
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6 - Program 2: Basic, Toggle Operates Steering Lock, Transfer Tilt or Retractable Docking Pin

	<p>This requires a spring-return Toggle Switch.</p> <p>Extreme X8: The toggle switch operates the steering lock</p> <p>Frontier V6: The toggle switch operates the transfer tilt or retractable docking pin</p> <p>Program does not support independent function of left and right power legrests</p>
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7 - Program 3: Comprehensive - alternating, Toggle Operates Steering Lock, Transfer Tilt or Retractable Docking Pin

	<p>Toggle is only required for engaging steering lock, transfer tilt or retractable docking pin</p> <p>This requires a spring-return toggle switch</p> <p>The function alternates up or down with each activation e.g. first left activation raises seat; Pause; Next left activation lowers seat</p> <p>Program supports independent function of left and right power legrests.</p>
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8 - Program 4: No Joystick, Tilt, Recline and Layback for Chin / Head Control

At least one button or switch must be fitted

The switch OPERATES the Recline and Other actuator

Each button OPERATES a function

The function alternates up or down with each activation
e.g. first left activation raises seat; Pause; Next left activation lowers seat

Program does not support seat lift, power legrest operation, steering lock, transfer tilt or retractable docking pin

9 User Buttons and Remote Toggle

These instructions are for customers using Programs 0-3 with additional user buttons or a remote toggle switch

User Buttons are optional. The function of the Button is determined by the socket: 1 - tilt, 2 - layback

The function alternates up or down with each activation
e.g. first left activation tilts seat; pause; next left activation lowers seat tilt

The remote toggle will perform the same function as the toggle in the selected program

Program 0	Leg selection [L-both-R]
Program 1	Leg drive: Left (up/down) Right (up/down)
Program 2&3	Steering Lock (lock/unlock) Transfer Tilt or Retractable Docking Pin (forward/home)

10 Rain and Water

The ASB and any associated buttons ARE NOT WATERPROOF. Some modules are splash proof but may be permanently damaged if water transgresses the rubber seals (this damage is not covered under warranty). We recommend carrying a plastic bag large enough to cover the electrical modules and the user's hand, in case of rain

11 Care and Maintenance

11.1 Control System Care

- Avoid knocking your auxiliary switch box, especially the Joystick.
- When transporting your wheelchair ensure the Switch Box is well protected.
- To prolong the life of the Switch Box, keep exposure to extreme conditions to a minimum. Always clean your Switch Box if it becomes contaminated with food or drink.
- Use a damp cloth and washing up liquid mixed with water. Do not use abrasive or spirit based cleaning agents.

11.2 Daily Checks

With the control system switched off, check that the Joystick is not bent or damaged and that it returns to centre when you release it. If there is a problem do not use your ASB and contact your service agent.

11.3 Weekly Checks

Connectors: Check all connectors are secure, properly mated and free from damage.

Cables: Check condition of all cables for damage.

Mounting: Make sure the ASB and any buttons are securely fixed to your wheelchair. Do not over tighten any screws.

11.4 Annual Checks

It is highly recommended to service your power chair annually. Take your power chair to your Magic Mobility Dealer to ensure it is functioning correctly. NOTE the ASB contains a battery that should provide up to 10 years of normal service.

12 Head Office and Operations



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Page 8 of 14