



## Installation Guide – Unimanual

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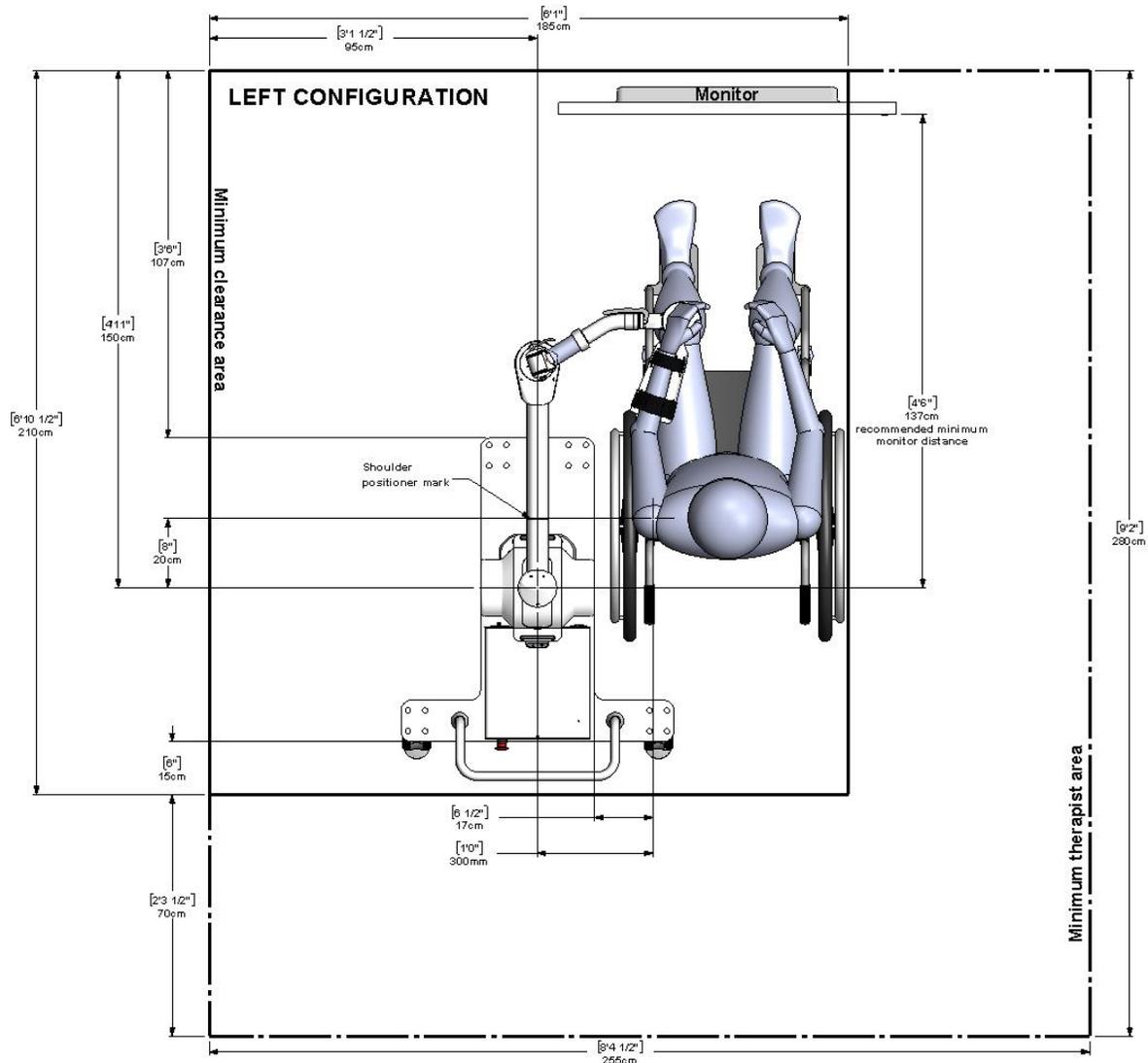
# Installation Guide

## BURT Packing List

- **Box #1 (T-Stand)** [18" x 36" x 9"] [82 lb.]
  - T-Stand Base
  - T-Stand Handle
  
- **Box #2 (Pedestal)** [18" x 18" x 12"] [26 lb.]
  - Lifting Column
  - Keyboard Tray
  
- **Box #3 (Robot)** [37" x 17" x 18"] [71 lb.]
  - Barrett UE Robotic Trainer (BURT)
  - Console
  - Gravity Cradle
  - Extra Cradle Straps
  - Extra Cradle Foam
  - Sidewinder Cord Protector
  - PEAK USB-CAN Adapter
  - DB9 M/F Cable
  - 0-80 in-lb Torque Wrench
  - 4mm Hex Bit 1/4" Socket
  - Electrical Cables
    - Console Cable
    - HDMI Cable
    - AC Mains Cable
    - Pendant E-Stop
  - Wireless Keyboard
    - Wireless Keyboard Receiver (installed in Console)
  - Hardware Kit
    - 6mm Hex key
    - 4x M8 White Screw Caps
    - 8x M8 Socket Head Cap Screws
    - 2x M10 Button Head Cap Screws
  - Documentation
    - Installation Guide
    - Reference Sheet

# Installation Guide

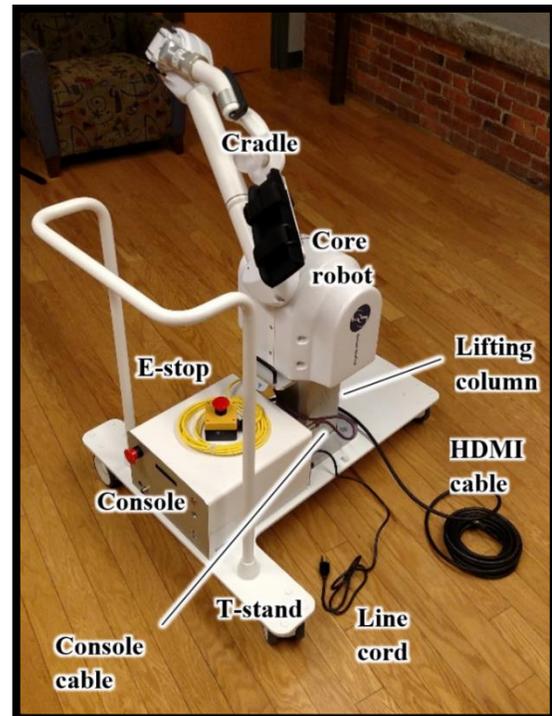
1. Occupy an empty space of (280cm x 255cm) as shown in the recommended workspace layout below.



**NOTE:** BURT is configured for right- or left-handed use (**Unimanual Setup**) with an approximate workspace relative to a human user in a standard wheelchair, along with a recommended "minimum clearance" rectangle around the system. For the most accurate setup, please refer to the metric dimensions wherever possible. While Barrett Technology strongly recommends that the specified minimum clearance be observed in all installations, please be aware that hazards specific to your installation scenario may also impact system operation.

# Installation Guide

- Remove all the components from boxes and the protective packages. **It is highly recommended to grab BURT from the indicated position.**



- Fasten the handle onto the T-plate using the button (dome) head screws and verify its security.



- Actuate the brakes at each caster wheel by pushing down the pedal.

# Installation Guide

5. Install the keyboard tray onto the handle by snapping on the 3 supports.



6. Fasten the lifting column to the T-plate using 4 socket head screws and cover them with the 4 white screw caps.



# Installation Guide

7. Place the core robot on top of the lifting column and fasten it using 4 socket head screws.



8. Place the console rubber legs on the 4 small screw heads with the BURT logo facing away from the lifting column.

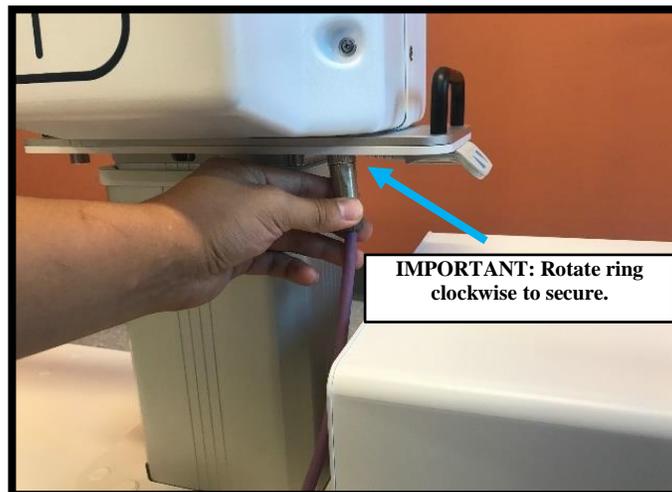


9. Insert the cradle into the cradle socket and screw in the knurled ring until you can no longer see the red strip.

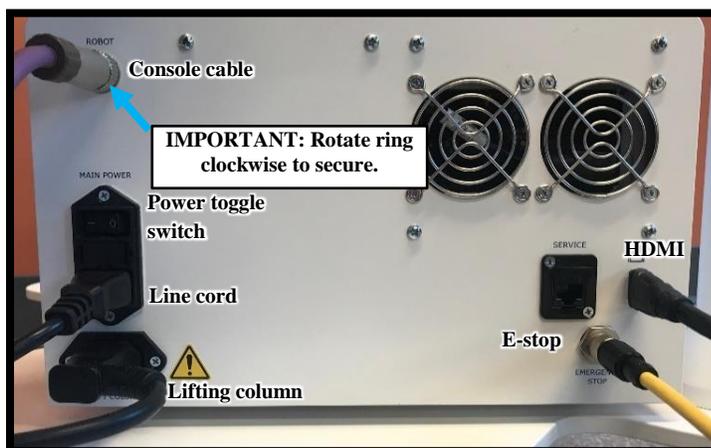


# Installation Guide

10. Plug the purple cable into the bottom of the active robot and rotate ring clockwise to secure.



11. Make all electrical connections (console cable, line cord, lifting column cable, HDMI cable and E-stop cable) to the back of the console and ensure the purple (console) cable is properly routed and can move free from other cables.



# Installation Guide

- 12. Plug the HDMI cable into a monitor.
- 13. Plug the power cable into AC power sockets.

- 14. Adjust the lifting column height to the desirable position by pressing the buttons pointing up and down.



- 15. Route HDMI and power cable through cable holders on the T-Plate.
- 16. Place cord concealers over HDMI and power cable. Leave cabled E-stop free and always in an easily accessible location away from foot traffic.
- 17. Turn on the toggle switch on the back of the console.
- 18. Press the power button on the front of the console.

- 19. Once the system completes its power on cycle, the mainboard screen should indicate”  
“**BARRETT MEDICAL RIGHT ARM**”



**Congratulations! You have set up your BURT!**

## ***Let's get started***

Please follow the *Reference Sheet* to start running the demo applications.