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PS6

Hello, Tech Support? How Do I Get My Wheelchair to
Control My World?

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Oak



ASSISTIVE TECHNOLOGY EQUIPMENT

DEVICE	FUNCTION	WHERE TO PURCHASE	PRICE
AMAZON ECHO DEVICES	Voice control for eADLs	Amazon.com	\$50 - \$250
BELKIN WEMO	Wifi enabled Environmental controls	Amazon.com	\$35 - \$80
CELLPHONE MOUNTS & TABLET MOUNTS	Holds devices in proper position for best access	Amazon.com (search Fleximug) Modularhose.com Thejoyfactory.com Octa.com	\$30 - \$180
DRAGON NATURALLY SPEAKING	Computer access and Dictation Software	Amazon.com	\$80 - \$350
GLASSOUSE	Hands free mouse (worn as glasses)	GlassOuse.com Amazon.com	\$400
GOOGLE HOME DEVICES	Voice control for eADLs	Store.google.com Bestbuy Target Walmart	\$50 - \$400
HAND BASED MICE LOGITECH TRACKPAD KENSINGTON TRACKBALL MOUSE W/SCROLLWHEEL KENSINGTON EXPERT WIRELESS	Alternative mouse options for hand-based mousing	Amazon.com	\$35 - \$110
HARMONY HUB	TV control from your mobile device (also compatible with Echo)	Amazon.com Logitech.com	\$99
LAPTRAY OPTIONS MOBILITY MOUNT ACTIVE TRAY BY ACTIVE CONTROLS SCOTTY LAPTRAY BY COMPUSALT	More fixed/rigid tray for tablets, etc.	Mobilitymount.com Activecontrols.com (must have a supplier) compusult.net/assistive- technology/our-at-products/scotty	\$500 - \$650

DEVICE	FUNCTION	WHERE TO PURCHASE	PRICE
MEDICAL ADJUSTABLE OVERBED TABLE BY VAUNN	U-base adjustable Height overbed tables	Amazon.com	\$60 - \$75
MICROPHONES BUDDY FLAMINGOMIC 7G BUDDY DESKTOP MICROPHONE VXI Talk Pro	To work with Dragon software	Amazon.com	\$80 - \$190
MOUTH-BASED MOUSE QUADJOY MOUSE	Alternate mouse for use with mouth	Quadjoy.com	\$1000
MOUTHSTICKS AND STYLUSES SALT TIP STYLUS CADEUSUS STYLUS ("Bendy" stylus) MONET STYLUS	Access touch screen Needs to be replaced every 3-6 mos.	ibilitystick@gmail.com thejoyfactory.com	\$20 - \$35
PORTABLE BLUETOOTH SPEAKERS PARROT MINIKIT NEO BLUEANT COMMUTE PLANTRONICS VOYAGER LEGEND	Bluetooth speakers for cellphone Hands-free use of cell phone functions if supported by phone	Amazon.com	\$\$65 - \$100
REMOTE MOUSING OPTIONS REMOTE MOUSE (Android OR Apple TO PC OR MAC) ROWMOTE (APPLE TO APPLE) REMOTE CONTROL COLLECTION (ANDROID TO PC)	Control of PC or Mac through portable device (Android or Apple)	Google play store App Store	Free - \$5
SESAME ENABLE	Control Android devices via head movements	Sesame-enable.com	\$20/month

ACTIVATING BLUETOOTH MODE

1. Press and hold soft key #1 (blue button in upper left corner) to enter settings menu.
2. Using joystick, scroll down to "Bluetooth", right command of joystick to select.
3. Scroll to desired Bluetooth device ("R-net Mouse 1" or "R-net Mouse 2"), right or left command of joystick to turn <on>.
4. Scroll to "Exit" at bottom of screen, right command to "Exit" to settings menu.
5. Scroll to "Exit" at bottom of settings menu, right command to "Exit".
6. Power chair off/on twice.

PAIRING PERMOBIL JOYSTICK MODULE WITH DEVICE

1. Press and hold soft key #3 (blue button in upper right corner) to enter Bluetooth Mode ("M3"). Option to use power/mode toggle to access Mode 3.
2. Select desired device, if more than one device is active, by scrolling and selecting with right command of joystick.
3. Put in discoverable mode by holding joystick forward for 15 seconds or until you hear a beep, repeat by holding joystick in reverse for 15 seconds or until you hear a second beep.
4. Enter Bluetooth settings on device being paired, and if required search for new device. Pair with "R-net Mouse 1" or "R-net Mouse 2". If prompted for a passcode, enter 0000.

DEFAULT SETTINGS IN "MOUSE MODE"

- 2 Softkey #2 - Short hold is left click; long hold is double left click
- 3 Softkey #3 - Short hold is return to drive mode ("M1")
- 4 Softkey #4 - Short hold is right click; long hold takes you to home screen on an android device
- 5 Speed toggle second function - Scroll up/down



IF USING WITH OMNI DISPLAY

- Follow instructions as outlined above for activating Bluetooth mode and pairing with device.
- "Bluetooth" should show in Omni user menu. User will select "Bluetooth" from user menu through right command of alternative drive control.
- If user only has one device active, that device will be selected and ready for use.
- If more than one device is active, reverse command will scroll down the device list and right command will select device. If user cannot see the Permobil Joystick Module (PJSM), he/she will need to memorize order of devices on the PJSM, and count beeps to know what device is active.

PC PROGRAMMING OPTIONS

- Enable "Nudge" to allow quick hits of input device for mouse clicks
- Program mono jack mode port to use external switches for mouse clicks
- Customize screen graphics
- Personalize names of Bluetooth devices

ACTIVATING BLUETOOTH MODE

1. Press and hold soft key #1 (blue button in upper left corner) to enter settings menu.
2. Using joystick, scroll down to "Bluetooth", right command of joystick to select.
3. Scroll to enable desired iDevice ("iDevice" or "R-Net iDevice2"), right or left command of joystick to turn <on>.
4. Scroll to "Exit" at bottom of screen, right command to "Exit" to settings menu.
5. Scroll to "Exit" at bottom of settings menu, right command to "Exit".
6. Power cycle chair, twice.

PAIRING PERMOBIL JOYSTICK MODULE WITH DEVICE

1. Press and hold soft key #3 (blue button in upper right corner) to enter Bluetooth Mode ("M3"). Option to use power/mode toggle to access Mode 3.
2. Select desired device, if more than one device is active, by scrolling and selecting with right command of joystick.
3. Put in discoverable mode by holding joystick forward for 15 seconds until you hear a beep, repeat by holding joystick in reverse for 15 seconds until you hear a second beep.
4. Enter Bluetooth settings on device being paired, and if required search for new device. Pair with "iDevice 1" or "iDevice 2".



SETTING UP IDevice SWITCH CONTROL ON IOS DEVICE

1. Enable Accessibility Shortcut for Switch Control (Settings > General > Accessibility)
2. Turn on Switch Control
3. Recommend Scanning Style: Manual
4. Add Switches (Settings > General > Accessibility > Switch Control > Switches > Add New Switches > External)
 - Short= 0.1-2.0 sec; Medium= 2.0- 3.5 sec; Long= 3.5-5.0
5. Name Switch and assign command (Example Short Forward = Tap)
6. Turn Switch Control On

EXAMPLE EXTERNAL SWITCH SETUP USING DRIVE CONTROL

Short Command Forward — Tap
 Short Command Right — Move to Next
 Short Command Left — Move to Previous
 Short Command Reverse — Scanner Menu
 Long Command Reverse — Siri

IF USING WITH OMNI DISPLAY

- Follow instructions as outlined above for activating Bluetooth mode and pairing with device.
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Assistive Technology Industry Association (ATIA): <https://www.atia.org/at-resources/what-is-at/resources-funding-guide/>

State AT act programs:

www.ataporg.org → about ATAP → Find your state program

National MS Society: <https://www.nationalmssociety.org/Living-Well-With-MS/Work-and-Home/Insurance-and-Financial-Information/Financial-Resources/Assistance-for-Adaptive-Equipment>

The ALS Association:

http://www.alsa.org/assets/pdfs/living-with-als-manuals/lwals_04_2017.pdf

Vocational Rehabilitation Services: <https://www.disability.gov/resource/vocational-rehabilitation-state-offices/>

Disability Rights Network:

<http://www.ndrn.org>

Christopher Reeve Foundation:

<https://www.christopherreeve.org/living-with-paralysis/costs-and-insurance/financial-planning>

Department of Veterans Affairs:

<https://www.va.gov/>

Permobil Cares: <https://permobilfoundation.org/>

Other sources to pursue:

Private Fundraisers

Crowdfunding

Grants

Low Interest Loans

Vocational Rehabilitation

Public School System

Disability Specific Organizations

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