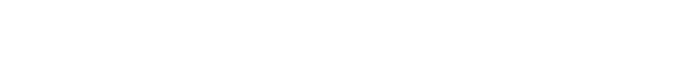
Power assist

SmartDrive MX2+

User's Manual







This manual includes instructions for PushTracker / E3.

Product information is changed as needed; current product information is available at permobil.com. Contact Customer Support for previous versions of product information.

Contact Information

Max Mobility, LLC

300 Duke Drive, Lebanon, TN 37090 USA Phone: 800-637-2980 615-953-5350

Fax: 888-411-9027

Customer Support: support.smartdrive@permobil.com permobil.com





Indicates that not following the specified procedure could lead to potentially hazardous conditions resulting in serious injury.



Indicates that not following the specified procedure could lead to potentially hazardous conditions resulting in minor to moderate injury or damage to the equipment or other property.

Supplier: This manual must be given to the user of this product. Operator (Individual or Caregiver): Before using this product, read the instructions and save for future reference.

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Informational videos are available at www.permobil.com.

To get the most out of your SmartDrive, download the PushTracker app from the Apple or Google Play app store.





Check regularly for the latest app and device firmware updates.

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Introduction

Specifications

See the PushTracker / E3 User's Manual provided for its specifications.

A wheelchair's specifications provided by its manufacturer may be slightly affected by the addition of the SmartDrive.

Range (level / no resistance conditions)	up to 12.3 miles (19.8 km)*
Maximum speed (level surface)	adjustable [4 mph (6 km/h) default / 5.5 mph (8.9 km/h) optional^]
Maximum speed (6° incline)	adjustable [4 mph (6 km/h) default / 5.5 mph (8.9 km/h) optional^]
Maximum acceleration	adjustable up to 2.0 ft/s2 (0.6 m/s2) [0.7 ft/s2 (0.2 m/s2) default]
Motor power	250 W
Motor voltage	36 V
Operating temperature	-25° C to 50° C
Continuous theoretical driving range	up to 14.2 miles (22.9 km)*
Incline slope / gradient	10° (17%)*
Total weight	14.4 lbs (6.5 kg)
Sound level	60.7 dB(A)
Expected lifetime / service life	5 years
Contains Bluetooth LE	FCC ID: QOQBT113 / IC ID: 5123A-BGTBLE113

- (*) Performance measurements will vary based on user and chair characteristics, driving and battery conditions.
- (^) May be restricted in certain regions.

NOTE: The stated values are from testing with a 331 lb. (150 kg) occupant. The range, speed, etc. vary depending on driving conditions.

conditions.	
SmartDrive Model: MX2+	
Overall length	15.3 in (389 mm)
Overall width	5.7 in (141 mm)
Overall height	9.5 in (242 mm)
Omni-wheel diameter	7.6 in (193 mm)
Omni-wheel width	2.8 in (71 mm)
Weight	13.2 lbs (6 kg)
Contained battery type	lithium-ion (lithium iron phosphate)
Nominal operating voltage	36 V
Electric charge	3.4 A-h
Firmware / app version(s)	Check app(s)
Wheelchair Compatibility	
Wheelchair frame type	rigid, folding, tilt-in-space, one-arm drive
Drive wheel diameter	22, 24, 25 or 26 in (501, 540, 559 or 590 mm)
Folding frame attachment distance	8.25 to 21.0 in (210 to 533 mm)
User weight	30 to 331 lbs (14 to 150 kg)
Combined user / wheelchair weight	maximum 351 lbs (159 kg)
The SmartDrive has been tested and con Volume 1 and Volume 2 and EN 12184.	forms to all applicable requirements of ANSI/RESNA Standards for Wheelchairs -

Intended Use of the SmartDrive

The Permobil / Max Mobility SmartDrive Wheelchair Power Assist device is exclusively intended to provide auxiliary power to manual wheelchairs to reduce the pushing power needed by their users, including pediatrics, with a user weight of 30 to 331 lbs (14 - 150 kgs). It is intended to be used by users capable of operating and maneuvering a powered and manual wheelchair, ultimately empowering them through enhanced mobility. It is also very strongly recommended that it be used on manual wheelchairs that meet the "Wheelchair Compatibility" dimensions listed in "Specifications".

Must-Read Prior-to-Use Information

Improper use of the SmartDrive or the wheelchair it is attached, depending on surface, weather, and traffic conditions, can present a potential of injury and cause damage to the wheelchair or SmartDrive. Therefore, the SmartDrive must only be handled and used under the following prerequisites:

- The user is both physically and mentally capable of operating the wheelchair and device in all possible conditions and situations. [Contraindication]
- Proper instruction on its handling and operation has been received by reading and understanding this user's manual in its entirety.
- No technical modifications have been made to the device.
- The user must take time to become accustomed to the SmartDrive's response and performance by first practicing its operation in a safe area that is free from hazards. One should become familiar with the tap sensitivity, push recognition, deactivation response, acceleration / top speed, etc. of the device before venturing out with the device, where potentially hazardous situations may exist. It is strongly recommended that the user not attempt to use the SmartDrive outdoors until it can be safely operated indoors without difficulty.

If any issues or malfunctions exist, cease the use of the SmartDrive and contact Customer Support for service / further instruction. Any use contrary to the directions of this user's manual, to the recommendations of one's mobility equipment dealer, or to the technical limitations defined by either Permobil and one's wheelchair manufacturer is considered to be misuse of the SmartDrive. Permobil is not responsible for any injuries or damage caused by this type of misuse.

Warnings and Safety Precautions

/!\ WARNING: All warnings and safety precautions issued by one's wheelchair manufacturer must be heeded in addition to those stated in this and any other provided manuals / instructions / guides, to include that provided within the SmartDrive MX2+ app. Failure to do so could result in serious injury or death.

- Handling or use of the SmartDrive MX2+ app or the SmartDrive by anyone who has not received proper instruction from this manual, the SmartDrive User's Manual and any other provided manuals / instructions / guides may result in serious injury or death.
- Do not attempt to attach the SmartDrive to a wheelchair that does not meet the dimensions outlined in the "Wheelchair Compatibility" section of "Specifications".
- One MUST familiarize themselves with the response and performance of the SmartDrive prior to regular use. Do not attempt to use outdoors until it can be safely operated indoors without colliding into walls or any other objects.
- Methods for safe use of a SmartDrive attached wheelchair are different for each user depending on function and ability.
- The specifications provided by one's wheelchair manufacturer may be slightly affected by the addition of the SmartDrive.

- The addition of the SmartDrive to one's wheelchair may cause it to feel different. Take the time to become accustomed to this new feeling.
- Always inspect your SmartDrive, PushTracker / E3, attachment hardware and SpeedControl dial / SwitchControl button(s) for missing parts / damage prior to each use [see "Maintenance" section(s) for parts to pay attention to].
- Make sure the SmartDrive and PushTracker / E3 [if used] are charged before use.
- Always pay close attention to the surface on which you are operating your wheelchair, whether your SmartDrive is on or not, as the front casters of your wheelchair can get stuck in cracks, ruts, holes, ledges, etc. Running into these obstacles can cause you to tip out of your chair.
- Do not operate over significantly rough terrain, very slick surfaces, extreme slopes, or loose ground. This may cause a loss of traction, leading to injury or damage to your SmartDrive, and void the warranty.

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Warnings and Safety Precautions, continued

№ WARNINGS:

- The SmartDrive is not designed to drive up or down large curbs / steps. Only perform this maneuver when absolutely necessary and always ask for help. Also be sure to turn OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] before maneuvering.
- Use extreme caution when operating a SmartDriveattached wheelchair when near streets. Consider turning OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] to reduce risk.
- When crossing major roads, intersections, railway crossings or highways as well as when you drive steep, long slopes, you should always consider having somebody accompany you in the interest of your safety.
- With regard to driving up and down slopes, please adhere to the instructions and specifications given by the diverse wheelchair manufacturers.
- Riding over curbs or obstacles can cause tipping and serious bodily harm. Turn OFF the power assist [via SpeedControl / SwitchControl and PushTracker / E3] when attempting to ride in these situations. If you have any doubt that you can safely cross any curb or obstacle, ALWAYS ask for help. Be aware of your riding skills and personal limitations. Develop new skills only with the help of a companion.
- The PushTracker / E3 should ONLY be worn by the user sitting in the wheelchair with the SmartDrive attached.
- Use caution when operating a SmartDrive-attached wheelchair indoors or in crowded / confined areas. Consider turning OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] to reduce the chance of collision, damage or injury.
- Always turn OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] when parked, to prevent accidental activation.
- Always turn OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] before taking the PushTracker off of your wrist.
- Tapping force does not need to be excessive or "hard".
 Gentle, stiff wrist taps at a reasonable speed (i.e. one half (0.5) second between taps) is sufficient.
- Always use caution when transferring in or out of the wheelchair. Every precaution should be taken to reduce the transfer distance, and be certain the wheel locks are engaged to prevent the wheels from moving. Also, always make sure the power assist is OFF [via SpeedControl, SwitchControl and PushTracker / E3] when transferring to and from your chair.

- The SpeedControl dial / SwitchControl button(s) are designed to be used with a seat cushion, to prevent sitting directly on the cables. It is strongly recommended that a seat cushion be used on your wheelchair when using the SpeedControl dial / SwitchControl button(s).
- The SmartDrive and PushTracker have passed industry climate testing the same as power wheelchairs, and are considered rain / splash proof. Complete submersion of either may cause malfunction or damage and void the warranty. Take the PushTracker off prior to bathing or showering.
- Surface temperatures of the SmartDrive can increase and become hot to the touch when exposed to external sources of heat, such as sunlight.
- Using Anti-Tippers substantially reduces your risk of falling over backwards, which can cause serious injury. If you are afraid of tipping over, use Anti-Tippers. Anti-Tippers will keep you from falling over, but they will limit your ability to be pulled up curbs and some other maneuvers. Just as children learn to ride bikes without training wheels, you may be able to learn to use your wheelchair with Anti-Tippers. It is STRONGLY recommended that Anti-Tippers be employed to the wheelchair until the user has become accustomed to operating the SmartDrive in all possible environments, situations, and conditions.
- Do not tip or wheel your wheelchair without assistance, unless you are highly skilled.
- Do not shift your weight or your sitting position toward the direction you are reaching, as one's wheelchair may tip over backwards or sideways.
- Do not lean over the top of the back upholstery to reach objects behind, as this may cause the wheelchair to tip over.
- Do not stand on the frame of your wheelchair.
- Your wheelchair is not designed for weight training and is unsafe from use as a seat while weight training.
 Weight training from your wheelchair substantially changes the stability of your chair and may cause tipping.
- Do not attempt to stop a moving wheelchair with wheel locks. Wheel locks are not brakes.
- Do not take a SmartDrive-attached wheelchair on an escalator or moving walkway. Serious bodily injury may
- Any unauthorized modifications to the SmartDrive will void the warranty and may create a safety hazard.
- This product can expose you to chemicals including cumene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Notes

Figures and diagrams of the SmartDrive in this manual may vary slightly from your device.

If applicable, access to the Google Play Store to get the SmartDrive MX2+ [and any other] app on the PushTracker / E3 may require the use of an existing Google account or creation of a new one. Separate policies, terms and conditions apply.

An electronic version of this User's Manual along with informational videos are available on our website [www.permobil.com] for people with visual, reading or cognitive disabilities.

All product [including components] requirements, policies, terms and conditions, to include the contents of this and any other provided manual/instruction/guide, are subject to change without prior notice. For current product instruction and information refer to www.permobil.com.

The Serial Number of your SmartDrive is located on its underside. It is recommended that you save this User's Manual and record the Serial Number below for future reference.

SmartDrive Serial Number:

Compatible Wearables:

The SmartDrive MX2+ application is compatible for use on select Apple Watch and Android wearables. All SmartDrive MX2+ functions are equivalent on both platforms.

To set up SmartDrive with a compatible wearable other than PushTracker / E3, scan this QR Code with your smartphone.



Electromagnetic Interference (EMI)

Electromagnetic Interference comes from radio wave sources. Examples of these sources are radio / TV station transmitters, receivers, transceivers [send and receive signals], cell phones, walkie-talkies, etc. There are many sources of EMI in one's daily environment, some that are avoidable and some that one might not even realize. Powered electronic devices, such as the SmartDrive are susceptible to EMI, both strong and weak, from these types of transmitters, as well as from electrostatic discharges (ESD) and conducted sources. These interferences can cause unintentional activation of the SmartDrive motor or damage to its control system, potentially causing a safety hazard and leading to costly repairs.

Every power wheelchair or power assist device can resist EMI up to a certain level, also known as its "immunity level". The higher the immunity level, the less the device is at risk of interference. An immunity level of 20 V/m is understood to provide sufficient protection from the sources encountered on a daily basis. The SmartDrive has been tested and found to be immune to this minimum immunity level of 20 V/m. Though equipped to be sufficiently protected against EMI, any chair modifications or accessory additions can effect its immunity. Parts from other suppliers have unknown EMI properties, and their interaction with the SmartDrive is untested.

Electromagnetic energy becomes increasing more intense the closer to the source you become. Therefore, it is recommended that the SmartDrive not be operated in close vicinity to sources of radio waves. There are three categories that EMI sources fall under:

- 1. <u>Long Range Transceivers</u>: These are sources of strong radio waves, including commercial radio and TV broadcast antenna towers and amateur (HAM) radios.
- 2. <u>Medium Range Mobile Transceivers</u>: These are sources of potentially strong radio waves, including two-way radios used by emergency vehicles, tractor-trailers, and taxis.
- 3. <u>Handheld Transceivers</u>: These are sources of relatively low strength waves but have the possibility of getting very close to your wheelchair, including walkie-talkies, citizen band (CB) radios, cell phones, and other personal communication devices.

The following are not likely to cause EMI problems; Cordless phones, MP3 / CD players, TV sets, and AM / FM radios.

WARNINGS:

- Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn on personal communication devices, such as cellular phones, while the power assist is ON.
- Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.
- If unintended movement occurs, turn the power assist OFF as soon as it is safe.
- Be aware that adding accessories or components to your wheelchair may make it more susceptible to EMI [Note: There
 is no easy way to evaluate their effect on the overall immunity of the device].
- Report all incidents of unintended movement to Customer Support, and note whether there is a source of EMI nearby.

USA / Canada: This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Bluetooth Wireless Communication

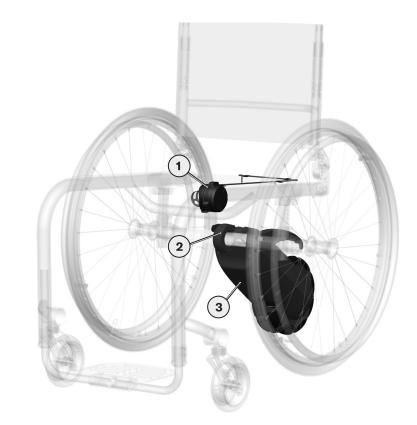
Bluetooth wireless communication [2.4 GHz frequency band] is used by the PushTracker / E3 to communicate to the SmartDrive when to activate / deactivate the power assist, send and receive signals from a smartphone, etc. The PushTracker / E3 must be within 25 ft (8 meters) of the SmartDrive / smartphone to connect and communicate. The maximum output power of this technology is 10 mW, and the operation of this device in close proximity to other wireless devices [i.e. electromagnetic security systems, Bluetooth headsets, etc.] could cause the device to lose connection. Power assist is always deactivated whenever the motor is driving and there is a loss of connection; the SmartDrive will beep and PushTracker / E3 will also give indication when this happens. Worst case coexistence testing was performed on the device to ensure its safety and effectiveness. Please contact Customer Support immediately for troubleshooting if continuous connection issues are experienced with the device.

List of Components

- 1. SpeedControl
- 2. Attachment Hardware
- 3. SmartDrive / Drive Unit
- 4. Rollers
- 5. SmartDrive Handle
- 6. SmartDrive LEDs
- 7. SmartDrive Toggle Switch
- 8. SmartDrive Charger Cover
- 9. Charger / Button Receptacle
- 10. Omni-Drive Wheel
- 11. Charger / Button Connector
- 12. LED on SpeedControl / SwitchControl
- 13. SwitchControl Button / attachment strip
- 14. PushTracker [if used]

or

- 14. SmartDrive MX2+ App on PushTracker / E3 (TicWatch E3) [if used]
- 15. SpeedControl Dial
- 16. Foam stand [save for travel/storage]





SmartDrive Setup

SmartDrive Attachment

The SmartDrive is designed to easily and quickly attach to all types of manual wheelchairs, both rigid and folding. Refer to "Specifications" to verify the compatibility of the wheelchair. Custom SmartDrive attachment solutions are also available if the existing hardware does not work for the desired wheelchair.

Refer to the separate instructions provided with your attachment hardware for correct setup prior to use.

WARNING: Adjustments made to the wheelchair setup could affect the orientation of the SmartDrive. Adjust or replace the attachment hardware, if needed, whenever changes are made to the chair or its wheels.

SpeedControl / SwitchControl

The frame-mounted SpeedControl dial / SwitchControl button(s) are easily mounted to a wheelchair to allow for close access and easy pressing. The SpeedControl dial or SwitchControl button(s) can be used to deactivate the motor, as well as provide a means of actively powering the motor.

Refer to the separate instructions provided with the SpeedControl or SwitchControl for correct setup prior to use.

PushTracker / E3

[if used]

Refer to the instructions provided with PushTracker / E3 for complete information, specifications, band size / attachment, and operation details, including re-pairing or pairing a new PushTracker / E3 to your SmartDrive.

The PushTracker / E3 is designed to comfortably and securely attach to the top part of wrists of all sizes. If has an embedded accelerometer to recognise when you push, when you want to activate the power assist, and also when you tap your hand against the handrim to deactivate the power assist. Additionally, it is equipped with visual and haptic feedback to indicate different information, states and activations / deactivations that occur during everyday use.

WARNING: It is recommended that your PushTracker / E3 be worn snug on your wrist to get the most reliable recognition of your hand movement for SmartDrive operation, propulsion activity tracking, etc. Ability to operate / maneuver the wheelchair can be affected if the PushTracker / E3, watches, jewelry, etc. are worn loosely or positioned such that they can become loose and interfere with handrim operation.

The band on the PushTracker / E3 is designed for most users; but if you have difficulty securing the buckle / clasp, it doesn't fit right, or you wish to have one of a different color / material, the band can be easily replaced with essentially any off-the-shelf watch band of your choosing.

Operating the SmartDrive

WARNING: Always turn OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] when parked, before transferring in or out of your wheelchair, taking the PushTracker / E3 off of your wrist and / or SmartDrive off of your chair to prevent accidental activation.

Power Assist Ready

The user of a SmartDrive equipped wheelchair is able to use the power assist whenever desired or turn it OFF [via SpeedControl, SwitchControl and PushTracker / E3] and operate their wheelchair as if the SmartDrive was not on their chair.

With the SmartDrive already attached to the wheelchair and powered on [as described in the separate attachment hardware instructions], the SmartDrive will wait for power assist to be turned ON by SpeedControl, SwitchControl or the specifically paired PushTracker / E3.

To turn power assist ON with SpeedControl [take out of the standby state], press [with the 4.5 lbs (20 N) minimal needed force] for longer than [0.25] seconds, and release the dial. Indication of power assist ON via SpeedControl will be given on the button LED.

To turn power assist ON with SwitchControl [take out of the standby state], press [with the 0.9 lbs (4 N) minimal needed force] for longer than [0.5] seconds, and release one of the buttons. Indication of power assist ON via SwitchControl will be given on the button LED(s).

To turn power assist OFF with SpeedControl [put it in the standby state], press and release the dial.

To turn power assist OFF with SwitchControl [put it in the standby state], press and release one of the buttons.

[If you have a PushTracker / E3] To turn power assist ON with the PushTracker / E3, press and release the Power Assist button. Indication of power assist ON via PushTracker / E3 will be given on both the SpeedControl / SwitchControl LED(s) and PushTracker / E3 [refer to the separate PushTracker / E3 User's Manual provided].

To turn power assist OFF with the PushTracker / E3, press and release the Power Assist button. Indication of power assist OFF via PushTracker / E3 will be given on both the SpeedControl / SwitchControl LED(s) and PushTracker / E3.

The SpeedControl / SwitchControl LED(s) give special indication for each of these power assist ON states, as well has having no flashing for power assist OFF.

With the power assist OFF, or in the standby state, the SmartDrive will not be able to be activated to provide power assist, so you are able to push the wheelchair around with no power assist.

EZ-ON Power Assist Ready

[on PushTracker only / not on PushTracker E3]

With EZ-ON activated [see "SmartDrive Settings" in the PushTracker User's Manual], hold your arm so the PushTracker is completely horizontal [parallel to the ground]. When oriented correctly, the charging LED will illuminate blue [see graphics below], at which point, DOUBLE tapping down on the PushTracker screen will turn power assist ON. Repeat these actions in order to turn power assist OFF. This is a great feature if you have limited finger function that makes pressing the Power Assist Button difficult.

Wired Control Deactivation

[using SpeedControl / SwitchControl to deactivate Power Assist]

A SpeedControl / SwitchControl button press and release will ALWAYS deactivate the motor / power assist any time that the motor is activated and driving. This is even if it is in the PushTracker / E3 power assist ON only state [see "Power Assist Ready" section].

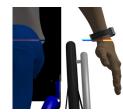
Note that the device will still be in a state of power assist ready after a SpeedControl / SwitchControl button press deactivation, and it must be put in power assist OFF / standby state if you do not want the motor to be activated.

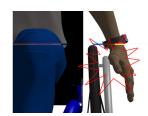
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PushTracker / E3 Deactivation

[if used]

When used with a PushTracker / E3, there are different ways to deactivate the power assist, depending on which Control Mode you are operating in [see different "Control Mode" sections]. The safest and therefore preferred way of deactivation is to perform a hitting motion with your PushTracker / E3 wearing arm. Motion sensors in the PushTracker / E3 sense this hitting motion / tap [see graphics below] and then deactivate the motor. Ideally, the deactivation motion will be performed by hitting your hand against the handrims with a stiff wrist prior to braking. Sufficient deactivation motion is indicated by the Indication [LED on the PushTracker or screen on the PushTracker / E3] illuminating red. This indication is given even when the motor is not driving, so practice and familiarity should be done prior to use. Depending on your current Control Mode, a SINGLE tap or a DOUBLE tap may be required [see different Control Modes]. The sensitivity of this tap, or force / impact required, is also changeable, depending on your needs [see the separate *PushTracker / E3 User's Manual* provided]. For best response, use the lower portion of your palm to perform the tap.







Whenever the motor is deactivated from this, the PushTracker / E3 will vibrate in addition to its Indication [LED on the PushTracker or screen on the PushTracker / E3] being illuminated red as indication that power is no longer being provided.

The final way to deactivate the motor is to press and release the Power Assist button on the PushTracker / E3. This means of deactivation gives an illuminated red Indication, vibration and notification on the PushTracker Display / PushTracker / E3 screen before it disconnects wirelessly from the SmartDrive [turning power assist OFF].

If any malfunctions or push detection / braking / SpeedControl dial / SwitchControl button / PushTracker / E3 issues are experienced with the SmartDrive, cease use of the device and contact Customer Support for assistance.

! WARNINGS:

- The power assist driving can ALWAYS be deactivated by pressing and releasing a SpeedControl / SwitchControl button. If you have a PushTracker / E3, pressing and releasing the Power Assist button will also deactivate the motor if driving by turning power assist OFF / wirelessly disconnecting it from the SmartDrive.
- Serious care should always be taken on hills, inclines, ramps, in crowded / confined areas, etc.
- Tapping force does not need to be excessive or "hard". Gentle, stiff wrist taps at a reasonable speed (i.e. one half (0.5) second between taps) is sufficient.
- While the PushTracker / E3 is designed to sense the tap / impact of your PushTracker / E3 wearing hand, other movements done with your hands while the motor is driving can possibly cause activation / deactivation. Whenever power assist is being provided, it is recommended to position your hands over your handrims for steering, then a stiff wrist tap then brake when desired to deactivate and slow down.
- Always turn OFF the power assist [via SpeedControl, SwitchControl and PushTracker / E3] when parked, before transferring in or out of your wheelchair, taking the PushTracker / E3 off of your wrist and/or SmartDrive off of your chair to prevent accidental activation.

SpeedControl Operation

/!\ IMPORTANT! Before operating SmartDrive with the SpeedControl, check to make sure you can easily access the device without having to remove your hands from the handrims. If adjustment is needed, see the Installation Instructions provided with the device.

The instructions below are for right-side use of the SpeedControl. For left-side use, the dial is turned in the reverse direction. The L/R switch on the back of the SpeedControl device should be set for left-side (L) or right-side (R) use. Refer to the installation instructions provided with the SpeedControl device.

"0" Position / Engage / Drive: With SpeedControl power assist ON, rotate the knob rearward [towards yourself], if not already back, until it comes to a stop. This is the "0" position. Rotate the knob forward [away from yourself] to engage the SmartDrive motor. The SmartDrive will start driving the motor by ramping up its speed [at the Acceleration rate set] as you continue to rotate the knob away from yourself until you reach the full rotation of the knob. At this point you are at 100% of your set speed.

Disengage: To disengage the motor, either rotate the knob back [towards yourself] until you reach the end of rotation or "0" point or you can press the knob face [stop button]. If you press the knob face, you must return the dial all the way back to the full rear rotation, or "0" point, to engage the motor again.

Change Acceleration and Max Speed: While driving, steering is still done by pinching on the handrims of the wheelchair. If the speed seems to increase at a rate or can get to a speed that is faster than you feel comfortable, change the Acceleration and Wired Max Speed to values that are just right for you and your wheelchair skills. These settings can be changed in the "Settings" section of the SmartDrive MX2+ app on the PushTracker E3.

Changing the Wired Max Speed and/or Acceleration without the PushTracker E3 will require the use of the PushTracker mobile (smartphone) app on a phone / device.



SwitchControl Operation

Momentary Control Mode

[for SwitchControl]

Momentary is the default control mode for power assist when activating the motor driving with the SwitchControl button(s). With SwitchControl power assist ON in this mode, the SmartDrive will start driving the motor by ramping up its speed [at the Acceleration rate set] to the configured SwitchControl Max Speed only while one of the buttons is being held. When the held button is released, or both of the buttons [if present] are pressed, the driving will deactivate. Remember that upon deactivation it does not put the device in the power assist OFF / standby state [see "Power Assist Ready" section].

It should be noted that the button must be pressed and held for longer than (1) second before the drive unit motor will start to drive. If it is released before this amount of time has lapsed, it will be registered as a button press only and cycle power assist OFF from the SwitchControl [put it in the standby state].

While driving, steering is still done by pinching on the handrims of the wheelchair. If the speed seems to increase at a rate or can get to a speed that is faster than you feel comfortable, change the Acceleration and Wired Max Speed to values that are just right for you and your wheelchair skills. These settings can be changed in the "Settings" section of the SmartDrive MX2+ app on the PushTracker E3.

Changing the SwitchControl Mode, the Wired Max Speed and / or Acceleration without the PushTracker E3 will require the use of the PushTracker mobile (smartphone) app on a phone / device.

Latched Control Mode

[for SwitchControl]

Latched mode is another option for power assist activation with the SwitchControl button(s). With SwitchControl power assist ON in this mode, the SmartDrive will start driving the motor by ramping up its speed [at the Acceleration rate set] to the configured SwitchControl Max Speed while one of the buttons is being held. When the held button is release, the SmartDrive will remain driving / coast at the current speed when the button was released. When one of the buttons is pressed and released again, or both of the buttons [if present] are pressed, the driving will deactivate. Remember that upon deactivation it does not put the device in the power assist OFF / standby state [see "Power Assist Ready" section].

It should be noted that the button must be pressed and held for longer than (1) second before it is registered as a button hold, at which point the drive unit motor will start to drive. If it is released before this amount of time has lapsed, it will be registered as a button press only and deactivate the power assist [if driving] or cycle power assist OFF from the SwitchControl [put it in the standby state].

While driving, steering is still done by pinching on the handrims of the wheelchair. If the speed seems to increase at a rate or can get to a speed the is faster than you feel comfortable, change the Acceleration and Wired Max Speed to values that are just right for you and your wheelchair skills. These settings can be changed in the "Settings" section of the SmartDrive MX2+ app on the PushTracker E3.

Changing the SwitchControl Mode, the Wired Max Speed and / or Acceleration without the PushTracker E3 will require the use of the PushTracker mobile (smartphone) app on a phone / device.

MX2+ Control Mode

[if used with PushTracker E3]

MX2+ is the default control mode for power assist when used with the PushTracker / E3 [see the separate PushTracker / E3 User's Manual provided for details on changing modes]. This amazing operation allows you to push around as much as you want, and then quickly and easily get the power that you need for all situations. Operation of this mode is ideal for weaker pushers as it allows for motor activation at the tap of the wrist. Additionally, this and all control modes can also always be used with SpeedControl / SwitchControl.

To activate power assist to drive in this mode, with the power assist ON and wirelessly connected, performing a DOUBLE tap by the PushTracker / E3 worn arm will begin the motor. This will begin driving the wheelchair forward at the Acceleration rate set in the PushTracker / E3 [see PushTracker / E3 User's Manual]. While the speed is ramping up, performing another SINGLE tap will hold the current speed. So the SmartDrive will continue to drive, or coast, at the speed that is reached when the SINGLE tap is performed. This is called setting your coast speed. The power assist will continue to drive at this coast speed until a DOUBLE tap is performed / sensed or the power assist is turned OFF.

While this mode is able to start driving you from rest, it also can be activated if you are already moving where it will quickly catch up to your speed and begin to accelerate from there. This means that you are able to give your wheelchair a quick push to get going, then DOUBLE tapping the PushTracker / E3 will immediately activate the SmartDrive to start ramping from the speed that you were able to reach from the push, until a SINGLE tap is performed to cruise or another DOUBLE tap is done to deactivate the motor.

This all might sound complicated, but it is actually very simple. Any DOUBLE tap will either activate and start ramping up the motor speed or deactivate it [if already driving], and a SINGLE tap while the motor is driving will set your coast speed [latch your current speed].

Steering is still done by pinching on the handrims of the wheelchair. The motor will be able to ramp up its speed at the Acceleration set in the PushTracker / E3, all the way up to the Max Speed that is also set in the PushTracker / E3 [see the separate PushTracker / E3 User's Manual for changing these]. So if the speed seems to increase at a rate or can get to a speed the is faster than you feel comfortable, change the Acceleration and Max Speeds to values that are just right for you and your wheelchair skills.

As always, quickly pressing and releasing the SpeedControl dial / SwitchControl button [even in standby] will deactivate the motor [if driving]. Another less preferred option is pressing the Power Assist button on the PushTracker / E3 which will also deactivate the driving and turn power assist OFF.

If you are coasting [motor is already driving at a set speed from a SINGLE tap] and you wish to increase coast speed, there are a couple ways to do this. If you are able to perform a push to get going at the desired faster coast speed, then performing a SINGLE tap will cause the motor to latch and set the coast speed to your current speed. The second way that doesn't involve a push is to perform a DOUBLE tap to first deactivate the motor, then wait at least one (1) second to perform another DOUBLE tap to start the motor to ramp its speed again.

⚠ WARNINGS:

- If any malfunctions or activation / deactivation / acceleration issues are experienced with the SmartDrive, cease use of the device and contact Customer Support for assistance.
- Any time the motor is already driving and a SINGLE tap is performed, the coast speed will be set to your current speed. If you are going down a decline, causing you to descend at a speed faster than the set coast speed [motor is free-wheeling], a SINGLE tap will set the coast speed to your current faster speed. Consider switching the power assist OFF [via SpeedControl, SwitchControl and PushTracker/ E3] before descending down a slope to prevent this.
- The acceleration of the SmartDrive could possibly cause the wheelchair to tip over backwards, causing injury. It is recommended that the user lean slightly forward to prevent this tipping and to set the Acceleration to a rate that doesn't make this possible.

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MX2 Control Mode

[if used with PushTracker / E3]

MX2 mode [formerly known as "Normal Operation" mode] is another option for the power assist control mode that can be changed to [see the separate PushTracker / E3 User's Manual provided for details on changing modes]. In this mode, with the power assist ON and ready the SmartDrive is able to recognize when you have performed a push on the wheelchair. In turn, the device activates the omni-drive wheel, and an assistive drive power is provided, propelling you at a speed equal to that which was attained by the push. The SmartDrive is able to recognize each individual's push, so no alterations to one's propulsion technique is needed. This is useful for everyday use as it can significantly reduce the number of pushes that have to be performed while also keeping you active.

MX2 is designed to continue to drive you until a SINGLE tap is performed by the PushTracker / E3 worn arm or the power assist is turned OFF to deactivate the motor [as described in the PushTracker / E3 Power Assist Deactivation section] OR until another, faster push is performed. In this last case, the SmartDrive will speed up and begin to drive at this faster attained when you pushed harder. Once a push is performed and the motor is activated, position your hands over your handrims [and SpeedControl dial / SwitchControl button(s)] to be prepared to turn off the motor when braking / deactivated power is desired.

Refer to the separate PushTracker / E3 User's Manual provided on how to change / limit the Max Speed that the SmartDrive is able to activate and drive.



- If any malfunctions or push detection / braking / SpeedControl dial /SwitchControl button / PushTracker/ E3 issues are experienced with the SmartDrive, cease use of the device and contact Customer Support for assistance.
- The SmartDrive is able to recognize all types of pushes. Do not alter the way that you push for this could lead to injuries in the future.
- Care should be taken when using on a decline in all control modes. Consider switching the power assist OFF [via SpeedControl, SwitchControl and PushTracker / E3] before descending down a slope.
- The acceleration of the SmartDrive could possibly cause the wheelchair to tip over backwards, causing injury. It is recommended that the user lean slightly forward to prevent this tipping.

MX1 Control Mode

[if used with PushTracker/ E3]

MX1 mode [formerly known as "Beginner Mode"] is one of the other options for the power assist Control Mode that can be selected [see the separate PushTracker/ E3 User's Manual provided]. In this mode, the deactivation means is the same as MX2 mode [see "MX2 Control Mode" and "PushTracker/ E3 Power Assist Deactivation" sections], but you are also able to deactivate the power assist by braking on the handrims of the wheelchair. The SmartDrive recognizes the deceleration that the wheelchair experiences from the braking and turns the motor off. This mode can be used effectively indoors and to perfect the tapping motion needed by the PushTracker/ E3 to deactivate the motor, upon which most likely is time to switch to either MX2 or MX2+ mode to get the most out of your SmartDrive in all environments encountered on a daily basis.



The SmartDrive is equipped to provide rollback resistance whenever power assist is activated while the wheelchair is moving backwards. This is a safety feature that requires the wheelchair to be at rest to begin driving. Whenever the rollback resistance is not activated, the SmartDrive will roll backwards freely.

MARNINGS:

- As warned before, serious care should be taken on all hills, inclines, ramps, etc.

NARNING: Refer to and heed all warnings for MX2 control mode.

- The rollback resistance may not be able to prevent the quick rolling back on especially steep slopes and / or for very heavy wheelchair users.
- Anti-rollback is not a parking brake. Be sure to secure your wheelchair with brakes if stopping on a slope is desired.

Operating Conditions

WARNING: If any malfunctions or issues are experienced with the SmartDrive, cease use of the device and contact Customer Support for assistance.

MARNING: All operating conditions set forth by one's wheelchair manufacturer should always be heeded, in addition to the avoidance of the following: loose dirt, sand or gravel; standing water; icy surfaces; rough terrain; extreme slopes.

CAUTION: The SmartDrive may stop functioning if submerged or doused in water. After significant water ingress, discontinue use and allow 12 hours for the SmartDrive to air dry before attempting use. If the SmartDrive will not restart, contact Customer Support.

The SmartDrive is designed for typical operating conditions encountered by a manual wheelchair user on a daily basis. Permobil recommends restricting the use of this device to indoor and light outdoor use. Avoid loose dirt, sand or gravel; standing water; icy surfaces; rough terrain; extreme slopes.

The total weight of the SmartDrive assembly is 14.4 lbs (6.5 kg). This weight should be included in calculating the on-board weight of the wheelchair. The maximum allowable on-board weight outlined by one's wheelchair manufacturer should never be exceeded with the addition of the SmartDrive.

The best way to climb ramps and inclines is to go slow. On cross-slopes, activate the motor to begin driving, then brake with the uphill hand on the wheelchair handrim to go straight.

Also, rollers on the omni-drive wheel allow for pivoting of the wheelchair as they smoothly roll sideways over surfaces. Care should be taken to make sure the SmartDrive doesn't get caught on things like curbs or small sidewalk cracks when you pivot. The attachment hardware is designed to fail first, so if you get the SmartDrive stuck, this can break the clamp / folding adaptor bar and leave you without power assist. Sometimes it is best to turn the SmartDrive off, negotiate the situation manually and then start using the assistive power again.

It is recommended to always store the SmartDrive and PushTracker/ E3 indoors. If your device has been stored in extreme temperatures, allow time for it to warm up or cool down prior to use.

The operating temperature of the SmartDrive is between -25°C and 50°C.

Batteries

WARNING: Although the battery in the SmartDrive is very small and compact, it can store a large amount of power. Faulty handling or storage can damage the equipment, and in some cases result in shocking, burns, or fire.

Battery Information

The SmartDrive houses the rechargeable Lithium Iron Phosphate battery used to power the motor. The best in Lithium-Ion technology, these batteries offer a significantly longer cycle life and faster charging rate than standard lithium ion cells.

The display on the PushTracker / screen on the PushTracker / E3 [see the PushTracker / E3 User's Manual] and blue LEDs on top of the SmartDrive are used to indicate the battery charge levels of both. All four (4) LEDs being illuminated on the SmartDrive indicate a full battery. As the charge of the battery decreases, so does the number of LEDs being lit. The SmartDrive will give a beep whenever the SmartDrive battery is below 15% and the motor is driving to let you know charging of the battery should be done as soon as possible to avoid running completely out.

See the separate PushTracker/ E3 User's Manual provided for its low battery indication. Again, charging of this battery should be done as soon as possible to avoid running completely out.

It is encouraged to charge each battery every night to avoid running out of charge during daily use. The life of the batteries will not be deteriorated by charging when it is partially drained.

Make sure the charging receptacles are completely dry and free from debris [as the magnets and ports can attract some] before plugging in the charger, for this can cause a spark or short. Blow water out of the receptacle if you suspect there being water in it. It is also recommended to always cover the button / charger receptacle whenever either are not plugged into the SmartDrive.

Long-term storage of the batteries [more than 3 months] reduces its capacity through spontaneous discharge. Charge the battery to at least 75% before you store it long-term, and avoid storing the SmartDrive where the temperature is too high or with high humidity.



- Only use the provided charger to recharge the SmartDrive. Other chargers may damage your unit, or cause a fire. Also, always power off and never attempt to use the SmartDrive while charging.

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- The battery charger is to be used indoors and in dry locations. Use an easily accessible outlet that is close to the SmartDrive that is to be charged.
- Do not use or attempt to repair a damaged / defective charger. Contact Customer Support if a charger is damaged and do not dispose of in your household garbage.
- The charging transformer box is intended to be laid flat during charging.
- Only use the power supply cord provided with the charger. The charger is capable of operating at different voltages without adjustment.

SmartDrive Battery Charging

To charge the SmartDrive, plug the battery charger cable into a wall outlet, at which point the green LED on the charger box will illuminate. Connect the magnetic charger connector to the powered off SmartDrive magnetic receptacle [moving the rubber plug to the side]. The magnets in the connectors will only allow the plug to connect in one direction. Once the unit is connected and charging, the LED on the charger will turn red. When the LED on the charger turns back to green, the SmartDrive is fully charged. Remove the connector from the SmartDrive and replace the rubber cap to protect the receptacle on the SmartDrive. The estimated charge time for a full recharge of the SmartDrive battery is approximately 3 hours.

See the separate PushTracker/ E3 User's Manual provided for its charging instructions.



- Always store and charge the SmartDrive and PushTracker / E3 in a cool, dry area. Hot and damp environments can damage or short the unit, requiring a costly replacement.
- Make sure the charging receptacles are completely dry before plugging in the charger, for this can cause a spark or short.
- Also, never attempt to use the PushTracker / E3 while charging.





Do not throw away the SmartDrive or PushTracker / E3. Please properly dispose of each by recycling at the end of its life or send it back to Permobil.

Traveling and Shipping

Because the SmartDrive houses a Lithium-Ion battery, special considerations have to be taken when traveling on an airplane. The SmartDrive must be carried onto your plane and should be stored in the overhead bin. It is recommended that advanced arrangements be made with each airline operator and approval received prior to departure date. A "SmartDrive Airline Passenger / IATA Certificate" can be downloaded from www.permobil.com or provided upon request.

Use the provided foam stand for the SmartDrive to prevent movement and damage when transporting in a car. If riding in a cab, it is recommended to have the driver hand you the SmartDrive so that it doesn't get damaged from movement when placed in the trunk.

Also, special considerations need to be taken when shipping the SmartDrive due to the battery. Contact the shipping company being used for instructions on how to correctly package and label prior to shipping. Be sure to provide plenty of padding / protection for the SmartDrive to prevent damage during shipment.

Maintenance

Inspection

Always inspect the SmartDrive, omni-drive wheel, PushTracker / E3, attachment hardware and SpeedControl dial / SwitchControl button(s) for missing parts / damage prior to each use. Cease use and contact Customer Support or your mobility equipment dealer if you notice any of the following:

- Broken or cracked plastic
- Any of the rollers do not spin with little resistance, have flats worn in them or any other significant damage
- Significantly worn down rollers and / or damaged wheel plastic
- Ripping rubber on the PushTracker / E3
- Missing or loose screws
- Adaptive clamp has rotated downward [on rigid wheelchairs]
- Broken or fraying cables
- Magnetic receptacle or plug has collected metal shards
- Any abnormal motor activation / deactivation activity [during use]

Cleaning

Cleaning of the SmartDrive can be done by wiping all of the parts down with a damp wash rag. This should be done at least once a month, or as needed.

Roller Lubricating or Replacement

The omni-drive wheel contains 16 or 18 rubber rollers that may wear down, depending on driving conditions, after extensive use. These rollers are able to be replaced. Also, in snowy climates, salt may cause corrosion to the bearings on these rollers and affect their performance. Spraying lubrication on these bearings will increase their usable lives [see graphic to the right]. Contact your mobility equipment dealer or Customer Support for information on replacing / maintaining the rollers on your SmartDrive.



Other Maintenance

Contact Customer Support or your mobility equipment dealer for any other maintenance or replacement that the device might need.

Download and connect to the App regularly to ensure your device is running the latest firmware, as features are added and improvements are made.

Troubleshooting

It is strongly recommended to update the firmware on your device to the latest version via the App prior to any troubleshooting as your issue may have been resolved in later firmware releases.

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Safeguards are designed into the SmartDrive and PushTracker / E3 for your safety and to prevent damage to the circuit board and battery from other part failures or atypical situations. Most of these log an Error code that can be viewed on the PushTracker / E3 [ERR: ### - see "About" screen of "Settings Descriptions" section in the separate PushTracker / E3 User's Manual provided]. Here is a list of these safeguards, how they are indicated and how to address them:

- [ERR: 008] No motor activation or motor deactivation when driving accompanied by a triple SmartDrive beep indicates a
 motor chip error. If this repeats, the SmartDrive circuit board will have to be replaced as an element of the circuit may be
 had
- [ERR: 007] Motor deactivation when driving accompanied by a single SmartDrive beep indicates a loss of wireless connection between the PushTracker / E3 and SmartDrive [see "Bluetooth Wireless Communication" section].
- [ERR: 005] No motor activation or motor deactivation when driving accompanied by a double SmartDrive beep indicates that the angle of the SmartDrive is outside its allowed operating range. If this repeats with the SmartDrive angled correctly [at approx. 45 degrees], the SmartDrive circuit board will have to be replaced as its gyro chip may be bad.
- [ERR: 002] Two (2) blinking SmartDrive LEDs indicate a bad motor. The motor will have to be replaced before it is operable again.
- [ERR: 003] Three (3) blinking SmartDrive LEDs indicate a current spike. The SmartDrive will need to be turned off and then on to use again.
- [ERR: 004] Four (4) blinking SmartDrive LEDs indicate overheating inside the unit. Turn the SmartDrive off and let it cool before using again.
- No LEDs or response on the SmartDrive / PushTracker / E3 indicate a dead battery. Attempt to recharge [as described in the "SmartDrive Battery Charging" section and separate PushTracker / E3 User's Manual provided].
- Powering off of the SmartDrive immediately after it starts to drive each time and / or unusually high resistance from the motor in the reverse direction usually indicates a bad circuit board. The SmartDrive circuit board will have to be replaced before it is operable again.

Contact Customer Support or your mobility equipment dealer for any other issues that you experience with the device.

Warranty

Permobil offers a two (2) year warranty against manufacturing defects. Permobil's obligation under this warranty shall be limited to repairing or providing replacement of part(s), which are found to be defective. Any part(s) of the system replaced by us at our discretion shall be with a functionally operative part.

This warranty may be voided if: 1) the product is not used according to instructions given in this instruction manual, 2) defects were caused by improper use as determined by the company personnel, 3) modification or alteration of any nature is made in the electrical circuitry or physical construction, or 4) defects are due to cause beyond control like lightning, abnormal voltage or while in transit at the purchaser's place of business.

Permobil is not responsible for any damage to one's wheelchair caused by the attachment or operation of the SmartDrive.

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Must be completed to ensure customer satisfaction.

Provider name and signature:

SmartDrive MX2+ Training Certification

It is important for your safety and the safety of those around you that you are properly trained to use the SmartDrive. Please take this training seriously and be sure to fill in all information. If you do not understand something, just ask.

SmartDrives are shipped ready-to-use [for SpeedControl], in Momentary Control Mode [for SwitchControl] and MX2+ Control Mode [if used with PushTracker / E3] with moderate Max Speed and Acceleration settings. This allows for familiarity and the different deactivation to be practiced prior to extensive use.

To quickly change the SmartDrive settings and get the most out of your SmartDrive, download the PushTracker mobile (smartphone) app in the Apple or Google Play Store. There are also instructional videos available at www.permobil.com that are very helpful in learning all about your SmartDrive [use the Closed-Caption for subtitles in other languages].

1	Read ALL provided manuals / instructions / guides. Please heed all the warnings and cautions in yellow, as this information is important for your safety. Pay close attention to situations where it is safest and necessary to turn the SmartDrive power assist OFF [via SpeedControl, SwitchControl and PushTracker / E3] .
2	Demonstrate each of the skills to your dealer and check them off once you are confident with each skill:
	Making sure power assist is OFF, install the PushTracker / E3 onto your wrist [if used]. Understanding that power assist should be OFF whenever handling the SmartDrive [or transferring into / out of our chair], switch the SmartDrive on and install it onto your wheelchair.
	Use the SpeedControl dial or SwitchControl button(s) to turn power assist ON, noting the LED flashing, then activate the motor, using the SpeedControl dial or SwitchControl button(s), according to the operating instructions. Next, deactivate the driving, then brake to stop the wheelchair. Finally, turn power assist OFF again with the SpeedControl / SwitchControl. Repeat this, activating and driving multiple times before turning power assist OFF, always noting the LED indication.
	Turn the power assist ON [via SpeedControl, SwitchControl and PushTracker / E3] and allow for it to wirelessly connect to the SmartDrive.
	If used with PushTracker / E3:
	Before doing anything, practice SINGLE tapping your hand against your handrims with a stiff wrist. You will see the PushTracker / E3 Indication go red if it's a good tap. Also practice DOUBLE taps. Continue to practice these taps until you get it every time.
	Activate the motor with a DOUBLE tap, SINGLE tap to set a slow coast speed and finally DOUBLE tap then brake to stop.
	Activate the motor again with a DOUBLE tap, this time setting a faster coast speed, and then DOUBLE tap brake to stop.
	Once you have perfected the tapping needed by the PushTracker / E3 to activate / set the coast speed / deactivate the motor, try to activate the motor, set a comfortable coast speed, turn in a figure 8, and then tap brake stop.
	With PushTracker / E3 power assist ON, also turn SpeedControl or SwitchControl power assist ON, noting the change in flashing indication. Now use the different controls simultaneously / in combination to understand how you might use each or both for different environments, situations, etc.
	If possible, find a LONG / FLAT / OPEN space to allow the SmartDrive to ramp up to Maximum Speed. Adjust the Maximum Speed or Acceleration to values that are comfortable in that and all predicted use environments.
If a	I skills are not able to be performed by the client, try the MX2 [or MX1] and/or Latched control modes, and repeat this training
3	Sign this form below and have the provider keep with the client's records.
_	
	artDrive Serial Number: Date:
the wh uni	ent: I certify that I have read all the User's Manuals / labeling and demonstrated the skills checked above. I accept that smartDrive can be dangerous if not used carefully, and I take responsibility for making responsible driving choices ile using it. I understand there are many situations where the power assist should be turned OFF to prevent it from ntentionally powering forward, including: downhill slopes, up or down curbs, climbing large sidewalk cracks, while in offined spaces, before handling either the PushTracker / E3 or SmartDrive, whenever parked and / or transferring into / out my wheelchair.
Cli	ent name and signature:
Pro	vider: I have observed the client performing the skills checked above.

Denne manual indeholder veiledninger til PushTracker/E3.

Produktoplysningerne ændres efter behov. De aktuelle produktoplysninger er tilgængelige på permobil.com. Kontakt kundesupport vedrørende tidligere versioner af produktoplysninger.

Kontaktoplysninger

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Angiver, at manglende overholdelse af den specificerede procedure kan føre til potentielt farlige tilstande, som resulterer i alvorlig personskade.

! FORSIGTIG

Angiver, at manglende overholdelse af den specificerede procedure kan føre til potentielt farlige tilstande, som resulterer i mindre til moderat personskade eller beskadigelse af udstyret eller anden ejendom.

Leverandør: Denne vejledning skal gives til brugeren af dette produkt. Operatør (personen selv eller en omsorgsgiver): Læs anvisningerne, før dette produkt tages i brug, og gem dem til senere anvendelse.

Google Play[™], Wear OS by Google[™], Android[™], Apple[®], Apple Watch®, Apple-logoet, iPhone® og iOS® er varemærker eller registrerede handelsmærker tilhørende deres respektive ejere. Bluetooth® er et registreret varemærke tilhørende Bluetooth SIG.

Max Mobility, LLC er en del af Permobil.

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Informationstekniske videoer kan findes på www.permobil.com.

Download PushTracker-appen fra Apple eller Google app Store for at få det meste ud af din SmartDrive.





Kontrollér jævnligt for seneste opdateringer til app og anordningens firmware.

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