



NUDRIVE AIR

STAY ACTIVE



NUDRIVE AIR
NU-DRIVE.COM



DIRTY HANDS NO MORE

Dirty, wet and cold hands are a well-known phenomenon among most manual wheelchair users. The tyres often tear the skin and dirt from the road are a constant source of irritation as it transfers via the tyres into the cracks and pores of the hand.

With the Nudrive AIR your hands will no longer be in direct contact with the wheels. Propelling your wheelchair using the NuDrive levers keeps your hands well-protected. Dry and broken skin are history. And so are cold and wet fingers due to rain or snow from the wheels. NuDrive AIR is the clever way to propel a wheelchair and to ensure a good hand hygiene!



WHEN TO USE NUDRIVE AIR

Medical research indicates that reducing the force needed to self-propel a wheelchair may protect the arms and shoulders of a user. Existing clinical research provides evidence that lever-drives, such as NuDrive, can shift the shoulder loading and in this way reduce shoulder degradation and injury.



There are several potential mechanisms via which, NuDrive can increase functional independency in wheelchair use. Belonging to the category of lever-based propulsion systems, NuDrive might have a higher mechanical efficiency, impose less physical burden at a given propulsion condition, be able to reduce the required propulsive force and foster more effective propulsion, improve trunk and upper limb joints' posture and reduce predisposition to neuro-musculoskeletal pathology, delay fatigue and improve quality of life by enhancing remaining functional abilities and allowing participation in life situations.

- Aspire Center for Disability Sciences, University College London-



WHAT IS NUDRIVE AIR?

NuDrive is the innovative new lever-drive propulsion accessory for manual wheelchairs, providing more mobility and improving physical well-being. With NuDrive you do not need to propel your chair by gripping the wheel rims by hand; instead, you can propel yourself forwards, backwards, manoeuvre and brake, simply by pushing the levers.

MORE POWER

NuDrive AIR gives you 50% more power to help you overcome slopes.

INDEPENDENCY

NuDrive AIR extends your range and abilities in a manual wheelchair.

IMPROVED BREATHING

Users of the NuDrive AIR often feel improved breathing, due to a more upright body posture during propelling.

PREVENTION AND THERAPY OF SHOULDER INJURY

NuDrive AIR reduces the force needed to propel a wheelchair.

PREVENTION AND THERAPY OF CARPAL TUNNEL SYNDROME

NuDrive AIR may reduce the risk of developing CTS by reducing the force needed to propel the wheelchair.

HAND PROTECTION

NuDrive AIR prevents direct contact between hands and wheels during propelling.

NUDRIVE AIR

NuDrive AIR can be fitted to all manual wheelchairs in a matter of minutes. Straight from the box!

The wheelbase units fits the majority of standard wheelchair wheels and with the three different rimadapter sets provided with the NuDrive AIR, you are ready to go shortly after opening the box.

NuDrive AIR is the perfect solution when you want to use the pushrims at home and the lever drive outside. The levers literally snaps in and out of the wheelbase units in seconds. If you keep the wheelbase units in the wheels at all times, you are ready to go even before your friends have tied their shoelaces.

The wheelbase units doesn't add any width to your wheelchair and with a weight of just 1 kg each you can keep them fitted without even noticing they are there. But should you decide to take them off this is also done in seconds.

With the NuDrive AIR you can go forwards and backwards. To the right and to the left. Just like normal. And you can even put them in neutral mode and use your pushrims for small maneuvers while keeping the levers in place.

NuDrive AIR can also be delivered in an EASY CONTROL version that requires less arm strength when flipping between driving mode and neutral mode. So if you find it difficult to flip the levers between the modes EASY CONTROL could be an option for you.





**FITS ALL
WHEELCHAIRS**

NUDRIVE AIR ERGO

NuDrive AIR Ergo provides a more dynamic and ergonomic grip of the handles. It is the perfect solution for more active users and for children or young people who can benefit from having the hands closer to the body.

With the handles bend slightly inwards against the body your hands are placed in an even more natural position for pushing and pulling the levers back and forth, reducing loads on the wrists even further.

NuDrive AIR Ergo can be fitted onto most manual wheelchairs but may not be the optimal solution if the wheelchair carries armrests.

NuDrive AIR Ergo is available with the standard transmission as well as the EASY CONTROL transmission.



KEEPING AN ACTIVE LIFESTYLE

Living a very active lifestyle Jakob has found that NuDrive AIR can benefit him greatly in his outdoor activities. Jakob is a strong man but even strong men can sometimes encounter a hill that is just too steep to climb sitting in a manual wheelchair. With the extra power gained from using the NuDrive AIR Jakob are facing less of these impossible climbs and can rely even more to himself before asking help from other people. And what is important to Jakob is that he can do so without adding an electrical aid onto his manual wheelchair.

Jakob only uses the NuDrive AIR outside. He keeps them in his car so they are easy to grab and click onto his wheelchair. It takes him less than a minute to do so, so family and friends do not have to wait long for him to be ready.



“*With NuDrive AIR it is easy to stay active with my friends and family. I have more power to overcome inclines and distances on my own, and that is important to me. NuDrive AIR has given me more freedom.*”

Jakob has also found that his hands are more protected using the NuDrive AIR than when he were using only the push-rims of the wheelchair. His hands are clean and the skin of his palms are less dry and worn. Not to mention that in the rain or the snow his hands do not get wet and cold anymore.



REMAIN ACTIVE ALL YOUR LIFE

Becoming old is not always easy. Especially when you have been used to do everything by yourself and age catches up with you.

Eric is not comfortable in an electrical wheelchair or with electrical add-ons installed on his manual wheelchair. But his shoulders and hands are hurting from driving his wheelchair using the push-rims so he found himself becoming more and more independent, relying on help from family and friends to push his wheelchair for him.

Discovering the NuDrive AIR Eric had now reclaimed his independence. The NuDrive AIR spares his shoulders and hands and he can now go longer distances on his own than before.

But more importantly, Eric now feels in control of his own life!





GAIN MORE POWER AND STAY ACTIVE

Renato enjoys using the NuDrive AIR in his local surroundings as it provides him with the possibility to go where he could not go before.

With a desire to remain active in his manual wheelchair Renato found the NuDrive AIR to be exactly what he needed. The NuDrive AIR allows Renato to overcome slopes without the help of others or by any other means than his own muscle power.

“*...after a relatively short period of habituation I was able to use the equipment with ease and even overcome obstacles that are not otherwise possible.*”

Being tetraplegic Renato has limited strength in his arms and hands but the NuDrive AIR gives him just that extra power that makes it possible to keep an independent and physically active lifestyle.



CLAIM YOUR INDEPENDENCE AND GO ACTIVE

As Julia was not able to propel her own wheelchair she and her parents were looking to find her an electrical wheelchair instead of the manual wheelchair she was using. But being only 11 years old Julia nor her parents were liking the idea very much, so when they discovered the NuDrive AIR at an exhibition they became eager to give it a try.

Five minutes later the NuDrive AIR were fitted to her own wheelchair, she had received brief instructions how to use it and were driving quickly down the corridor - on her own!

Today, Julia has claimed her independence. Instead of an electrical wheelchair, she now has a set of NuDrive AIR which she uses both inside and outside, enjoying every minute of it!



Snap Lock & Quick Release

Comfort Handles

Lever extension handles with larger grip



3x adaptors for different wheel types



Hand-Straps



TECHNICAL

SPECIFICATIONS

Wheeladaptor (x2)	Construction: Aluminium Compatibility: Fits 22", 24" and 25" wheels Added width: 0 cm Weight: 1 kg each [2 lbs] Design features: Snap Lock technology for instant fitting, Quick-release Colour: Metallic grey powder coated
Lever drive units (x2)	Construction: Aluminium Functions: Forward drive, backwards drive, braking, Neutral Effect: 1:1 to 2:1 - 50% more power Added width: 1,5 cm each, assuming 3 degree wheel camber Weight: 2,5 kg each Design features: Snap Lock technology for instant fitting, Quick-release, Comfort handles Colour: Metallic grey powder coated
Accessories	Handles: Lever extension handles with larger grip Gripping Aids: Range of Hand-Straps for low dexterity propulsion
Max user weight	136 kg [300 lbs]
Suitability	Suitable for Adult, Geriatric and Paediatric use in wheelchairs
CE	NuDrive AIR is a Class 1 Medical Device and self-certified with a CE Mark



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