

ReddyPort non-invasive ventilation products FAQs

ReddyPort™ Elbow

Q. What is a ReddyPort™ Elbow used for?

A. The ReddyPort Elbow is intended to provide an interface for application of CPAP or bi-level therapy to be delivered to the patient during a care procedure by hospital/institutional clinicians (e.g. oral care, suctioning, bronchoscopy). The elbow is for single-patient use in the hospital/institutional environment. For adult patients where CPAP or bi-level therapy has been prescribed.

Q. Is the ReddyPort Elbow reusable?

A. No, dispose of the ReddyPort Elbow when you change the patient's mask. It is not reusable.

Q. How do I connect the ReddyPort Elbow?

A. ReddyPort Elbow replaces the removable elbow and connects to standard 22mm tubing.

Q. Which masks are compatible with ReddyPort Elbows?

A. ReddyPort Elbow model number RP-531-L1 is compatible with:

- Philips Respironics AF531
- Philips Respironics PerforMax Total face mask

ReddyPort Elbow model number RP-541-L1 is compatible with:

- Philips Respironics AF541

Q. Does the ReddyPort Elbow work with other masks?

A. No, not at this time.

Q. Do you need to use a separate exhalation port with the ReddyPort Elbow and mask?

A. Yes, it is required to use a separate exhalation port with the ReddyPort Elbow and Phillips mask. The ReddyPort Elbow should be treated like a Leak 1 elbow.

Q. Does the ReddyPort Elbow have an anti-asphyxia valve?

A. Yes.

Q. Can the ReddyPort Elbow be cleaned if it becomes dirty or soiled during use?

A. No. The ReddyPort Elbow should be replaced when considerable buildup of fluid or secretions accumulate.

Q. Can I use the ReddyPort Elbow on dual-limb circuit ventilators?

A. The ReddyPort Elbow is not currently compatible with dual-limb circuits or ventilators.

Q. For Philips Respironics V60 ventilator setup, what leak setting should I use with the ReddyPort Elbow?

A. The ReddyPort Elbow is a Leak 1 elbow and the V60 settings should correspond to Leak 1 settings.

Q. Does the ReddyPort Elbow work with the under-the-nose AF541 configuration?

A. Yes

ReddyPort™ NIV Maintenance Kit

Q. Why do I use the ReddyPort™ NIV Maintenance Kit with ReddyPort Oral Care Appliances?

A. The patented oral care appliances are designed to integrate with the ReddyPort Elbow to prevent leakage and “squeegee effect” when entering and exiting the patient’s oral cavity. **DO NOT** use non-ReddyPort oral care appliances with the ReddyPort Elbow due to risk of therapeutic pressure loss or fluid aspiration.

Q. What is the risk of aspiration for the patient when using the ReddyPort Swabs?

A. The swabs are designed to hold 2-3 ml of fluid during normal use. When used with or without suction, the amount of fluid retained in the patient’s mouth is minimal and it has not been shown to cause coughing or aspiration in ICU settings in non-obtunded patients.¹ The adapter on the oral care appliances prevents fluid from being squeezed out into the oral cavity while being retracted. **DO NOT** advance the swab past the oral cavity in order to prevent triggering a gag reflex.

Q. Are other oral care appliances compatible with ReddyPort Elbow?

A. No, the ReddyPort Elbow with self-sealing valve works only with ReddyPort NIV Maintenance Kit components. The self-sealing protective guard on the ReddyPort appliance helps prevent the “squeegee effect” of leaving mucus and bacteria behind in the oral cavity. In addition, the protective guard prevents rinses/moisturizer being removed by the valve on the way into the mouth.

Q. Can I place a straw through the ReddyPort Elbow?

A. No. Only ReddyPort appliances should be used with the ReddyPort Elbow. ReddyPort swabs may be dipped into water and given to the patient to help relieve thirst or dry mouth issues.

Q. What oral care protocols does the ReddyPort NIV Maintenance Kit follow?

A. The ReddyPort NIV Maintenance Kit follows Q4 protocols (every 4 hours) for standard oral care procedures.

Q. How often should the ReddyPort NIV Maintenance Kit be used for oral care? And, in what order should the kit components be used?

A. The Prep Pack (Yankauer) should be used throughout the 24 hour duration as-needed. Moisturizer Packs should be used as-needed to help keep the patient moisturized in-between cleanings.

An example of the Q4 protocol with ReddyPort:

Prep Pack (<i>Yankauer/Suction as needed</i>)	0:00-24:00
Toothbrush Pack	0:00-4:00
Suction Swab Pack	4:00-8:00
Suction Swab Pack	8:00-12:00
Toothbrush Pack	12:00-16:00
Suction Swab Pack	16:00-20:00
Suction Swab Pack	20:00-24:00

Q. How do I avoid the “squeegee effect” upon insertion and removal of oral care appliances?

A. Upon insertion, retract sponge or toothbrush head into the protective guard and insert the protective guard into the elbow. Then perform oral care. Upon removal, gently pull back on the stick or handle to retract the swab or toothbrush into the protective guard and continue pulling until the protective guard slides out of the elbow.

Q. Why should I use a ReddyPort Swab?

A. ReddyPort Swabs can help clean teeth, stimulate oral tissue, and refresh the mouth with the hydrogen peroxide solution. Our swabs fit through the ReddyPort Elbow and clean the entire mouth without removing the mask.

Q. Why should I use the ReddyPort Toothbrush?

A. Dental plaque biofilm can cause gingivitis and oral tissue bleeding. Oral biofilm is also a significant risk factor for hospital acquired infections (HAI). The ReddyPort Toothbrush has soft bristles to allow for proper oral hygiene and is designed to aid in the removal of plaque. The omni-directional silicone tip enables the user to reach all areas of the oropharynx. It has a built-in direct attachment to a suction line, eliminating the need for an additional suction Yankauer.

ReddyPort™ NIV Maintenance Kit (continued)

Q. Why a silicone tip toothbrush?

A. The benefit of a silicone toothbrush is its ability to gently but thoroughly clean the gums, as well as teeth. Common brushes may cause bleeding of a patient's sensitive gums.

Q. Is a silicone tip toothbrush effective?

A. A study in the International Journal of Clinical Preventive Dentistry (IJCPD)², details the effects of treating gingivitis using a rubber-tipped toothbrush. The study concludes that a rubber-tipped toothbrush is as effective at mitigating gingivitis and removing dental plaque as a toothbrush with nylon bristles.

Q. Why should I use 1.5% Hydrogen Peroxide and .05% Cetylpyridinium Chloride Solution?

A. ReddyPort Swabs and Toothbrushes, in combination with an oral rinse, clean teeth, gums and oral tissue to promote oral health with the cleaning power of 1.5% hydrogen peroxide and .05% cetylpyridinium chloride. The solutions are a great complement to the swabs and toothbrushes.

Q. Are ReddyPort Swabs reusable?

A. No, the swabs are not reusable and should be disposed of after use. The oral gel moisturizer is reusable.

NIV Maintenance Mouth Moisturizer Pack

Q. Why do I need an oral moisturizer?

A. Non-invasive ventilation (NIV) can dry out the patient's mouth and cause patient discomfort. Our mouth moisturizer helps resolve the patient's dryness of mouth.

NIV Maintenance Kit with CHG Solution (chlorhexidine gluconate) for patients

Q. What if I want to use CHG solutions for oral care of my patients?

A. Source the CHG solutions from your organization and then use the patented ReddyPort Oral Care Swabs that integrate with the ReddyPort Elbow to prevent leakage and the "squeegee effect" when entering and exiting the patient's oral cavity. Non-ReddyPort swabs are not designed and not intended for use with the ReddyPort Elbow.

ReddyPort™ Microphone and Controller

Q. Why should I use the Reddyport™ Microphone and Controller?

A. The ReddyPort Microphone integrates with the ReddyPort Elbow, helping patients speak up and share their needs. For clinicians and family members, it helps ease some of the frustration that comes from not being able to hear the patient behind the mask, especially during a life-threatening illness.

Q. Is the Microphone reusable?

A. The microphone module is single-patient use and should be disposed of after use by a patient.

Q. Is the Controller reusable?

A. The controller remains mounted to the ventilator and should be cleaned between patient applications, according to your institution's policies and procedures.

Q. Does the Controller require batteries?

A. No. The controller comes with a power supply.

Q. Can I clean the Microphone after each use?

A. The microphone is single-patient use and should be disposed of after use by a patient. In the event of soiling, gently wipe down the microphone housing and mesh, utilizing a mild liquid detergent and sterile water.

Q. How do I adjust the speaker volume?

A. The ReddyPort Controller mounted to the ventilator controls the speaker volume level. Press the + or – buttons on the controller to increase or decrease the patient's voice volume. The LED will blink rapidly twice when the maximum volume is reached.

ReddyPort™ Microphone and Controller (*continued*)

Q. How do I install the strap and mounting bracket to the controller?

- A.**
1. Locate screw provided in the box.
 2. Align hole in strap to screw thread.
 3. Align and press mounting bracket through strap with “fork” towards strap.
 4. Screw in mounting bracket with provided screwdriver.

[Download assembly and installation instructions PDF.](#)

Q. Does the Microphone contain magnets and are there any special handling precautions?

- A.** The Microphone and Data Cable contain magnets. Caution should be used when using the product on patients with pacemakers or other implantable devices that may be affected by magnets. **DO NOT** use product in a magnetic resonance environment.

Q. How do I attach the ReddyPort Data Cable to the ReddyPort Controller?

- A.**
1. Locate black end of data cable which inserts into controller
 2. Before inserting data cable into bottom of controller, hold black end of data cable pointing away and turn rotating outer sleeve counterclockwise to open the locking mechanism.
 3. Press black end of data cable with text “**this side up**” facing the front of corresponding connector on controller until pins slide into place.
 4. Once inserted completely, rotate locking collar on black end of data cable clockwise one quarter turn to secure and lock into place.
 5. If inserted correctly, you will hear it “click” and lock into place.
 6. Insert power supply jack into controller and plug into power outlet.

[Download assembly and installation instructions PDF.](#)

Q. How do I mount the ReddyPort Controller to a ventilator?

- A.**
1. Orient mounting bracket horizontally or vertically. Loosen screw (if necessary).
 2. Stretch strap around rail or handle.
 3. Insert “prongs” of mounting bracket into appropriate strap opening to securely attach controller.

[Download assembly and installation instructions PDF.](#)

Q. How do I attach the ReddyPort Data Cable to circuit and then Microphone?

- A.** Run data cable along top of circuit and using tubing clips provided, “snap” data cable into place. It is recommended that final tubing clip be placed ~ 3-5” from distal end of the circuit.

Q. What should I do if the magnetic connection of the cable won't attach to the microphone?

- A.** Assure proper orientation of the microphone and cable connection. The connector will only attach one way. If it is not connecting, simply switch its orientation. In addition, adjust the tubing clip closer to the end of the cable to improve the connection. It is recommended that final tubing clip be placed ~ 3-5” from distal end of the circuit.

Q. What if the controller does not turn on?

- A.** Assure the ReddyPort Controller power supply is plugged into the wall outlet. When you press the power button on the controller, the green LED will illuminate.

Q. Would a different power supply work with the ReddyPort controller?

- A.** No, the ReddyPort Controller is designed to work exclusively with the ReddyPort power supply.

Q. Is power being supplied to the cable when the microphone is disconnected from it?

- A.** No, when the microphone is disconnected from the cable the controller automatically senses the disconnection and cuts power to the cable. Please note: the recommendation is to turn the controller off when not in use.

Q. Where is the best location for placing the Controller?

- A.** The recommendation is to securely mount the controller, using the mounting bracket and strap provided, on a ventilator for ease of use and access for clinicians.

ReddyPort™ Microphone and Controller (continued)

Q. How do I clean the Controller?

A. The ReddyPort Controller should be cleaned after each patient use. Unplug the controller prior to cleaning the device. Clean with alcohol-based disinfectant or quaternary ammonium compound-based wipes.

Q. Do I need to unplug the ReddyPort Cable from the Controller when not in use?

A. No, there is no need to disconnect when not in use.

Q. After use and disposal recommendation of the Microphone?

A. When finished, dispose of oral contaminated devices as per your facility's protocols. **DO NOT** reuse ReddyPort Microphone on multiple patients.

Q. What is the warranty for the Controller?

A. Warranty information for the controller can be found [here](#).

For more information call **801.899.3036**.

References

1 Reddy C, Martinez M.L., Nietodelriodeastis C. Evaluation of a Novel Mask Adapter to Improve Patient Comfort and Provide Oral Care in Patients on Non-Invasive Ventilation. *Am J Respir Crit Care Med.* 2020; 201(A4621).
2 Lee CH, Cho BR, Jwa SK. Effects of Rubber-Tipped Toothbrushes on Plaque and Gingivitis. *IJCPD* 2016;12:203-208.

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