

# ARMS260-AR

Swing Away Hardware for IDM-ALLROUND-9 & IDM-ARLITE Joysticks

#### Customer Satisfaction

Stealth Products strives for 100% customer satisfaction. Your complete satisfaction is important. Please contact us with feedback or suggested changes that will help improve the quality and usability of our products. You may reach us at:



CF



# General

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REP

Read and understand all instructions prior to the use of the product. Failure to adhere to instructions and warnings in this document may result in property damage, injury, or death. Product misuse due to failure of the following instructions will void the warranty.

Immediately discontinue use if any function is compromised, parts are missing, loose, or shows signs of excessive wear. Consult with your supplier for repair, adjustment, or replacement.

If this document contains information you do not understand, or there are concerns about safety or operation, contact your supplier.

#### **Important Information**

All persons responsible for fitting, adjustment, and daily use of the devices discussed in these instructions must be familiar with and understand all safety aspects of the devices mentioned. In order for our products to be used successfully, you must:

- Read and understand all instructions and warnings.
- Maintain our products according to our instructions on care and maintenance.
- Devices should be installed and adjusted by a trained technician.

#### **Supplier Reference**

Supplier:\_\_\_\_\_

Telephone:\_\_\_\_\_

Address:

Purchase Date:\_\_\_\_\_

Model: \_\_\_\_\_

Before you install or begin using this product, it is important that you read and understand the content of these operating instructions.

The installation instructions will guide you through the options and possibilities with the product.

Instructions are written with the expressed intent of use with standard configurations. They also contain important safety and maintenance information, as well as describe possible problems that can arise during use. For further assistance, or more advanced applications, please contact your supplier or Stealth Products at (512) 715-9995 or toll free at 1-800-965-9229.

Always keep the operating instructions in a safe place so they may be referenced as necessary.

All information, pictures, illustrations, and specifications are based on the product information that was available at the time of printing. Pictures and illustrations shown in these instructions are representative examples and are not intended to be exact depictions of the various parts of the product.

#### **Ordering Documentation**

You can download additional copies of this manual on the Stealth website:

#### https://stlpro.site/stealth-docs

and search: *ARMS260-AR Owners Manual* in the search bar at the top of the page.

Our products are designed, manufactured, and produced to the highest of standards. If any defect in material or workmanship is found, Stealth Products will repair or replace the product at our discretion. Any implied warranty, including the implied warranties of merchantability and fitness for a particular purpose, shall not extend beyond the duration of this warranty. Stealth Products, LLC does not warrant damage due to, but not limited to:

- Misuse, abuse, or misapplication of products.
- Modification of product without written approval from Stealth Products, LLC.
- Any alteration or lack of serial number, where applicable, will automatically void this warranty.
- Stealth Products, LLC is liable for replacement parts only.
- Stealth Products, LLC is not liable for any incurred labor costs.

No person is authorized to alter, extend, or waive the warranties of Stealth Products, LLC.

Stealth Products warrants against failure due to defective materials or workmanship:

Covers: 2 Years

Hardware: 5 years

Electronics: 3 years

#### In Case of Product Failure

In the event of product failure covered by our warranty, please follow the procedures outlined below:

- 1. Call Stealth at +1 (512) 715-9995 or toll free +1-800-965-9229.
- 2. Request the Returns Department or obSain an RA from the Returns Department and follow department or documentation instructions.

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## **Warning Labels**

Warnings are included for the safety of the user, client, operator and property. Please read and understand what the signal words **SAFETY**, **NOTICE**, **CAUTION**, **WARNING** and **DANGER** mean, how they could affect the user, those around the user, and property.

<b>A DANGER</b> Identifies an <b>imminent</b> situation which (if not avoided result in <b>severe injury</b> , <b>death</b> , and <b>property damage</b>			
A WARNING	Identifies a <b>potential</b> situation which (if not avoided) will result in <b>severe injury</b> , <b>death</b> , and <b>property damage</b> .		
A CAUTION	<b>ON</b> Identifies a <b>potential</b> situation which (if not avoided) will result in <b>minor</b> to <b>moderate injury</b> , and <b>property damage</b> .		
<b>NOTICE</b> Identifies important information not related to injury, but possible <b>property damage</b> .			
SAFETY	Indicates steps or instructions for safe practices, reminders of safe procedures, or important safety equipment that may be necessary.		

# **Limited Liability**

Stealth Products, LLC accepts no liability for personal injury or damage to property that may arise from the failure of the user or other persons to follow the recommendations, warnings, and instructions in this manual.

Stealth Products does not hold responsibility for final integration of final assembly of product to end user. Stealth Products is not liable for user death or injury.

# Testing

Initial setup and driving should be done in an open area free of obstacles until the user is fully capable of driving safely.

The hardware should always be tested without any person sitting in the wheelchair until every alteration of the physical installation or adjustment is complete.

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#### Safety Precautions

- Incorrect use or installation may lead to risk of injury to the user and damage to the wheelchair or other property.
- In order to reduce these risks, you should carefully read this manual, paying attention to the safety instructions and warnings.
- Any unauthorized use of the product may lead to increased risk of accident. Carefully
  follow the recommendations in this manual in order to prevent accidents from use.
- The ARMS260-AR is a non-serviceable part.
- Always contact your dealer or service technician for questions concerning the operation or adjustment of the ARMS260-AR.
- Lack of regular maintenance will lead to a reduced level of performance and can lead to increased risk of accident. Carefully follow the recommended maintenance procedures in the Maintenance section of the manual.

#### **ACAUTION**

Watch out for pinch points while operating the ARMS260-AR. Fingers or small wires/tubing must be away from the flip-down sleeve while engaging.

# **Intended Use**

This swing away style armrest mount is a versatile joystick mount designed to offer subtle and reliable convenience. It allows the mo-Vis All Around or mo-Vis All Around Lite to be mounted laterally or mid-line with the ability to adjust the depth, tilt & rotation of the input device at multiple points.

#### **Features**

The ARMS260-AR Swing Away system allows versatile and on demand adjustment. The system offers depth, height, and angle adjustment. Rod can be bent and cut to accommodate specifications.\* It rests within the swing away ball which allows for a 30° adjustment in any direction, and rotates 360° on its own axis as well.

# Mounting

The ARMS260-AR is:

- Useable with the mo-Vis All-Around or All-Around lite
- Useable with the HMC Compact and HMC Compact lite.
- Useable with Armrest, Back, or Seat Rail mounting.
- Not recommended for use with the mo-Vis All-Around Heavy Duty

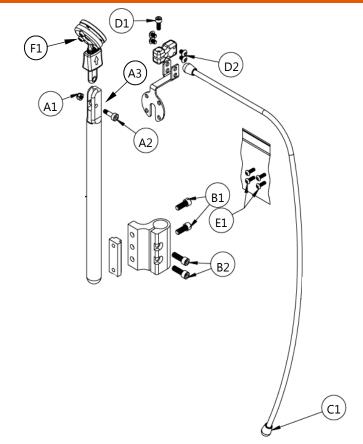
# 8.0 **8.1**

# Installation Instructions

# **Mounting Hardware Parts**

ARMS260-AR

		F		
	Item	Description		
Α	ARM260 Rod	3/4" ARM260	577	
В	Track Mount	GAT406 Track		
с	Lateral Rod	18" Lateral Rod	B	)
D	Mount	Mini-Hitch	U	
E	Joystick Mount	Permobil		//
F	Ear Assembly	Swing-Away		//
				J

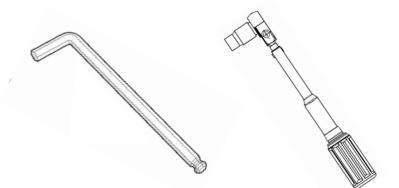


	Item	Description	Qty
A1	Locknut	M5 Locknut	1
A2	Socket Head Screw	M5 x 0.8 x 18MM Socket Head Shoulder Screw	1
A3	Socket Set Screw	#10-32 x 1/8" Socket Cap Cup Point Set Screw	1
B1	Socket Head Screw	1/4-20 x 5/8" Socket Head Screw	2
B2	Socket Head Screw	1/43-20 x 3/4" Socket Head Screw	2
C1	Safety Cap	Rod Safety Cap	2
D1	Socket Head Screw	#10-24 x 1/2" Socket Head Screw	1
D2	Button Head Screw	#10-32 x 1/4" Button Head Screw	4
E1	Button Head Screw	M4 x 0.7 x 12MM Button Head Screw	4
F1	Socket Head Screw	M5 x 0.8 x 14mm Socket Head Screw	3

# Tools

The tools you will need to complete installation are as follows:

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Hardware	Description	
3/16" T-Handle	Socket Head Screws on Track Mount	
5/32" T-Handle	Button Head Screws on Mini-Hitch Swivel Mount	
3/32" T-Handle	Socket Head Screw on Mini-Hitch Swivel Mount	
4MM T-Handle	Socket Head Shoulder Screw on Swing-Away Ear Assembly	
3MM T-Handle	Button Head Screws on Joystick Mount	

Tools are not provided.

Screws	Torque Specifications
#10-32 x 1/4" Button Head Screw	65in-lbs
1/4-20 x 3/4" Socket Head Screw	230in-lbs
#10-24 x 1/2" Socket Head Screw	90in-Ibs
1/4-20 x 5/8" Socket Head Screw	230in-Ibs
M5 x 0.8 x 18MM Socket Head Shoulder Screw	12nM
M4 x 0.7 x 12MM Button Head Screw	2.9nM
M5 x 0.8 x 14mm Socket Head Screw	12nM

#### Features of the ARMS260-AR

- Allows the mounting of mo-Vis All Around or All Around Lite
- Achieves a lateral or midline position.
- Offers adjustability of joystick depth, tilt, and rotation at multiple points.
- Quick & easy one handed release mechanism for swing away.
- Swing away mechanism swings up to 110 degrees from lock.
- Angle of swing away movement can be adjusted at armrest clamp.
- Compatible with multiple armrest clamps and can be mounted to any seating system.
- Joystick can be mounted in a low or high position
- Joystick can be mounted fore or aft of the ARMS260 rod.

# **Mounting Options**

There are many mounting options available:

- ARM210-I
- ARM240
- ARM250-P
- ARM250-PC
- ARM250-S

#### NOTICE

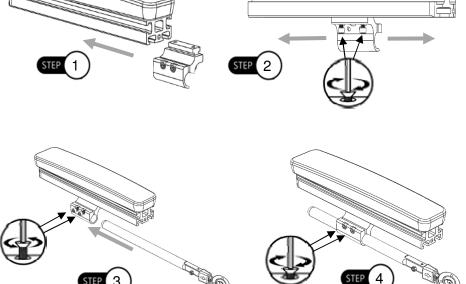
Armrest track is shown throughout the manual. Armrest, Back, or Seat Rail mounting are also possible with this hardware.

# **Installing ARM260 Rod to Arm Rest Track**

- Step 1: Prior to installing the Track Mount (B) onto the track, ensure that the 1/4-20 x 5/8" Socket Head Screws (B1) are loose, but do not remove, this will allow for adjusting ability along the track.
- Step 2: When the hardware is in the desired position along the track, tighten to 230in-lbs of torque to hold in place.
- Step 3: Loosen the 1/4-20 x 3/4" Set Head Screws (B2) on the Cane Clamp (B). Slide the ARM260 Rod (A) through the clamp. Adjust to the desired depth.
- Step 4: With the ARM260 Rod (A) in the correct position, tighten the  $1/4-20 \times 3/4''$  Set Head Screws (B2) with a 3/16" T-Handle to 230in-lbs of torque to hold in place.

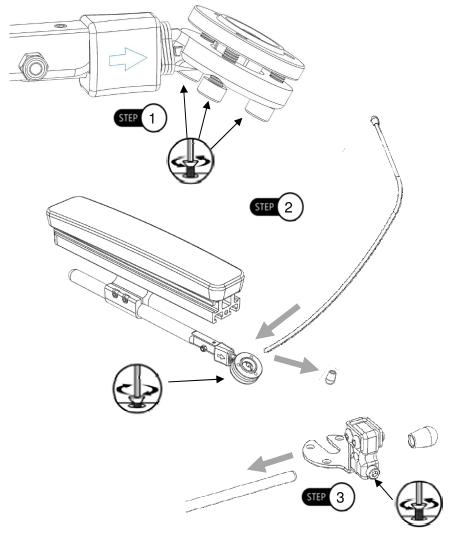
#### **ACAUTION**

DO NOT OVERTIGHTEN SCREWS. This could cause wearing of screws or joystick threads, causing the client to lose efficient control.

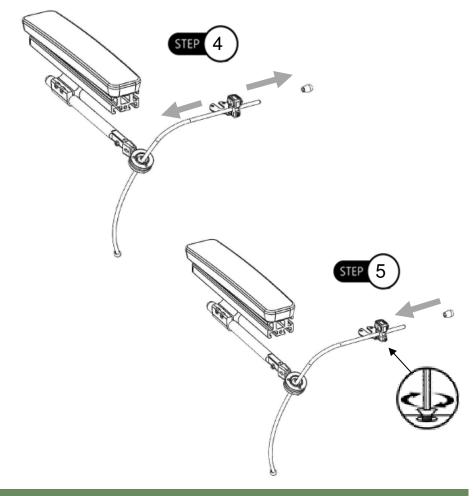


# **Installing Joystick Mount to Lateral Rod**

- Step 1: Loosen the M5 x 0.8 x 14mm Socket Head Screws (F1) on the Swing-Away Ear Assembly (F).
- Step 2: Install the Lateral Rod (A) into the Swing-Away Ear Assembly (F). Prior to inserting the Lateral Rod (C), remove the End Cap (C1). Insert Lateral Rod (C) to the correct depth. Replace the End Cap (C1). Retighten the bolts (F1) to *12nM torque* on the Swing-Away Ear Assembly (F).
- **Step 3:** Remove the End Cap (C1) on the top of the Lateral Rod (C). Loosen the #10-24 x 1/2" Socket Head Screw (D1) then insert the Swivel Mount (D) onto the Lateral Rod (C).



- **Step 4:** Set the Swivel Mount (D) to the correct position, sliding horizontally.
- Step 5: Tighten the #10-24 x 1/2" Socket Head Screw (D1) to 90in-lbs of torque to lock in place then reapply the End Cap (C1) to the Lateral Rod (A).

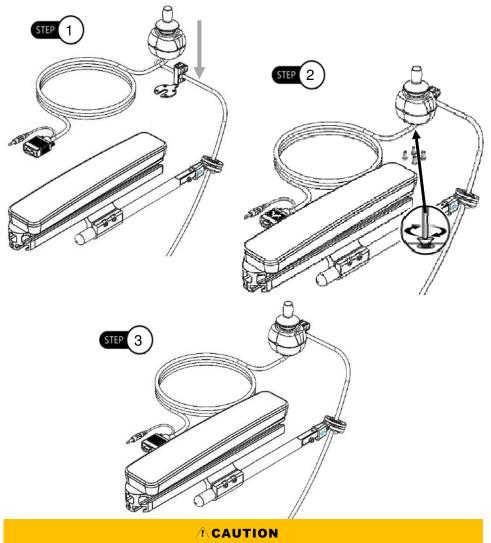


#### NOTICE

Tighten the set screws with the client in the chair and make any final adjustments necessary.

# **Installing Joystick to the Mount**

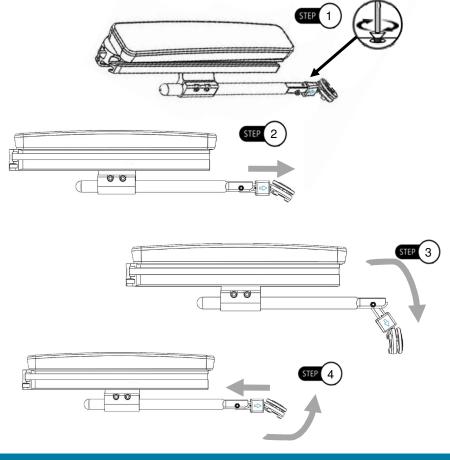
- **Step 1:** With the Swivel Mount in place, align the joystick in position and place on the mount.
- **Step 2:** Take the four M4 x 0.7 x 12MM Button Head Screws (E1) from the separate bag and tighten to 2.9nM of torque to secure the joystick to the mount.
- **Step 3:** For joystick installation, refer to the Joystick manual.



Ensure that all screws are tightened evenly on the hardware. Threads can strip out and cause damage to the hardware if not tightened properly.

# **Flip-Down Mount**

- Step 1: Check that the #10-32 x 1/8" Socket Cap Cup Point Set Screw (A3) on the rod is tight but do not overtighten. Tighten the screw until it bottoms out, plus an additional quarter turn. Ensure that the sleeve can still disengage and engage with an audible click. Check the Flip-Down Mount instructions for how to do this.
- Step 2: Sliding the flip-down sleeve forward will allow it to disengage from the rod:
- **Step 2:** This will cause it to swing down and out of the way.
- **Step 3:** Bringing the swing-away ear assembly back to a vertical position will cause it to engage and make an audible "click".



#### SAFETY

Move hands, wires, tubing, etc. from the flip-down sleeve area when bringing it back to vertical rotate. The sleeve could pinch when moving and could cause injury or damage.

#### **Dealer Assistance**

During first time use by the client, it is advised that the dealer or service technician assists and explains the configurations to the customer (the user and/ or the attendant). If needed, the dealer can make final adjustments.

# User Testing

It is important that the customer is fully aware of the installation of the

ARMS260-AR, how to use it, and how it can be adjusted to fit the client comfortably. As a dealer, proceed as follows:

• Explain and show the customer how you have executed the installation and explain the function.

Have the user test the position of the ARMS260-AR.

- Is the hardware in the proper position for the client?
- Can the user safely operate the joystick with minimal effort?

# **Conditions of Use**

Stealth's ARMS260-AR is intended for use as installed by the dealer, in accordance to the installation instructions in this manual.

- The foreseen conditions of use are communicated by the dealer or service technician to the user and/or attendant during the first time use.
- If the conditions of use change significantly, please contact your dealer or a qualified service technician to avoid excessive wear and tear or unintended damage.

#### A CAUTION

These products are designed to be fitted, applied, and installed exclusively by a health care professional trained for these purposes. The fitting, application and installation by a non-qualified individual could result in serious injury.

# 12.1

# 12.2

#### SAFETY

For joystick maintenance guidelines refer to the device's user manual.

#### Maintenance

- Check every 6 months that screws are tightened back to their torque specifications. Gently tighten any screws that may have become loose.
- · Maintain that the hardware is clean and free of dust.
- All parts should be checked on a regular basis and repaired, if necessary, by a service technician.
- Discontinue use after identifying bent or broken parts and contact your provider.
- Do not operate with loose parts. If you need assistance, contact your provider.
- Repeat the steps in section 11.4 'Flip-Down Mount' to ensure that the Socket Cap Cup Point Set Screw (A3) is still tight but not overtightened. To do this, tighten until it bottoms out, then turn an additional quarter turn. Ensure the sleeve still engages properly and makes an audible "click" when back in the vertical position. If it doesn't engage, check for contamination.

#### Cleaning

#### • Wash away surface dirt and grime with a mild dish detergent and rinse away.

- Moisten a soft cloth with water to rub away any remaining dirt.
- · Rinse thoroughly with clean water.

#### Disinfecting

- Use a damp cloth with any disinfectant detergent and lightly rub hardware surface.
- · Rinse thoroughly with clean water.

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