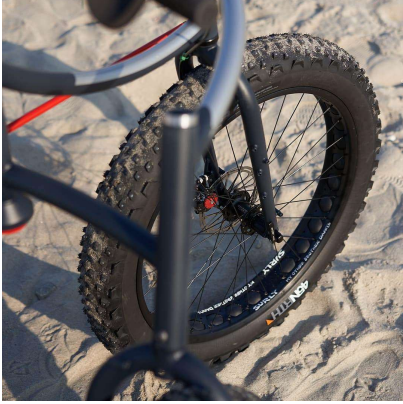




AFARI™

PRODUCT MANUAL

MOBELLA™



About this Manual

Congratulations on your purchase of an Afari™!

This manual, along with any Product Bulletins (listed on page 11), contains instructions for the care, adjustment, and safe use of your Afari. Carefully read these instructions and keep them at your disposal for reference. This manual is intended for both users of the Afari and for people assisting others who are using the Afari. The Afari is meant to move more freely on a more varied set of terrain than is possible with other assistive products, but the Afari is not meant for unconstrained use on all terrains, nor is it safe to operate under all conditions. Read this manual, along with any published product bulletins, and understand its warnings and precautions before operating the Afari.

Warnings



Thought Forward Design, Inc. (d/b/a "Mobella™") does not accept any liability for improper use, which is any use other than indicated in this manual, in a way that exceeds the user's physical capabilities, or which is outside of the user's local laws or regulations pertaining to pedestrians or bicyclists.

- The Afari is not intended for use by children under the age of 14.
- **CAREFULLY READ ALL SAFETY INSTRUCTIONS ON THE FOLLOWING PAGE OF THIS MANUAL**
- Do not operate the Afari on stairs.
- The Afari is for one person operation.
- Do not allow a person to ride on the Afari .
- Do not allow a person other than the operator to use the Afari as a support (i.e., leaning on or holding the Afari while it is operated by another person).
- Do not pull carts or other secondary towed devices with the Afari.
- Obey all bike and/or pedestrian laws or rules while operating the Afari.
- Use proper lights and reflectors when operating the Afari after dusk or before dawn.
- ALWAYS engage the parking brake when the Afari is not in use.

Important Notice!



The Afari and other Mobella products and services are not medical devices, and are not intended to mitigate, prevent, treat, cure, or diagnose any disease or condition. If you have any concerns about your health, please consult your doctor.

Safety and Operation¹

Intended Use: The Afari is an outdoor walking bike for people who want to confidently stay active and who require some stability and weight-bearing support. The Afari is designed for outdoor use in diverse environments and on a variety of surfaces and can traverse more varied terrain.

¹The Afari has been built and tested to the following standards: ISO 11199-3 and ASTM F2711-08.


Minimum Requirements for Safe Use

1. Adequate upper and lower body strength to independently walk with device support
2. Hand dexterity sufficient to deploy disc brake and lock
3. Available seating for rests, as required
4. Awareness of the product performance limits
5. Awareness of the conditions
6. Awareness of your personal abilities and limitations

Safety Instructions



Set the handlebars, forearm pads and hand grips to the best position for you. **See instructions for Adjusting your Afari to fit you on Page 6.**

1. BEFORE EACH USE: Ensure that handlebars, forearm pads and hand grips are set to the correct position and that all connections are tight.
2. BEFORE EACH USE: Test the hand-brake and make sure the tension is adequate to stop your forward motion and adjust your brakes if and as necessary.
3. NEVER remove or alter steering limits intended to constrain the amount you can turn the front wheel.
4. ALWAYS observe and follow all traffic rules.
5. ALWAYS operate the Afari within the following operating limits:
 - a. Uphill angle < 10 degrees
 - b. Downhill angle < 10 degrees 
 - c. Sideways / lean < 5 degrees
6. ALWAYS cross obstructions such as curbs, roots, etc., straight on, keeping the rear wheels level.
7. NEVER make sharp turns while moving uphill or downhill.
8. NEVER move up or down a hill at an angle to its slope
9. ALWAYS move directly up or down the slope of a hill
10. ALWAYS operate at normal walking speeds, not more than 4 mph.
11. ALWAYS make sure others see you and be aware of others.
12. ALWAYS be considerate and aware when operating your Afari around others.

Operating Parameters

Operating parameters – User Height.

The maximum distance between the ground and your forearms, when your arms are bent at a 90-degree angle, should be:

1. No less than 43" (minimum height guidance)
2. No more than 47 ½" (maximum height guidance)



Caution

Operating the Afari outside of this height guidance may affect the operation of the Afari and may cause negative effects on the operator over time due to improper posture.

Operating parameters – User Weight

The Afari is physically able to support significant weight and considering that you will place only approximately 30% of your weight on the frame during normal use, there are no restrictions on the weight of a person operating the Afari within the recommended guidelines and operating parameters.

Warning



Excessive carried loads, or loads carried above the level of the frame may destabilize the operation of the Afari, causing it to tip over.

1. Limit the total weight of all accessories to less than 40 pounds
2. Do not carry anything on the Afari above the level of the frame, except for Mobella-approved handlebar accessories

Before First Use



Adjust the handlebar and hand grips to fit you comfortably. **See instructions for Adjusting your Afari to fit you on Page 6.**

- Practice using your Afari on a flat surface and in a place with no traffic or distractions. It is best to have someone with you when you are learning to use your Afari.
- Practice stopping safely.
- Practice engaging the parking lock on the brake handle.
- Practice turning left and right. Make sure steering stops limit your steering motion to an appropriate window (between 10 o'clock and 2 o'clock).
- Practice going up and down a curb, or over a small obstruction such as a speed bump.
- Practice walking and turning your Afari at different walking speeds.
- Practice with your Afari on a varied surface such as the lawn or a pathway. Test the "feel" of the Afari as it moves over an inconsistent surface.

Using the Afari

Moving forward on flat surfaces

- Release the parking brake once you have become comfortably engaged with the Afari.
- Place as much of your weight as is needed and comfortable for you on the Afari by resting your forearms in the forearm pads.
- Grasp the hand grips, and make sure you can easily reach the brake lever when it is needed.
- Walk forward as normal



Walking uphill

- Lean into the hill and keep your Afari moving forward through the incline.
- Avoid turning the Afari while walking uphill as it can create sudden instability.
- Be prepared to engage the brake and parking brake if you need to stop on an incline so the Afari does not roll backward into you.



Walking downhill

- Keep your hand on the brake lever while you are travelling downhill.
- Use the brake to manage the speed of your Afari as you travel downhill.
- Avoid turning the Afari while walking downhill as it can create sudden instability.
- Lean your body away from the decline of the hill in order to keep momentum from creating more speed than you desire.



WARNING: Do not lose control of the Afari and allow it to roll downhill unattended as it could injure people and/or cause property damage.



WARNING: Always engage the parking brake when the Afari is not in use to keep it from rolling unattended. Always check to assure the brake is adjusted correctly and does not allow the Afari to roll on its own when the brake lock is engaged. Seek assistance from a local bicycle repair source if you require assistance in adjusting the disc brakes.

Component Parts



Product Description and Quantity of Component Part

A. Tires and tubes (3)	I. Steering link (1)
B. Wheel assemblies (3)	J. Handlebar (1)
C. Quick-release wheel attachments (3)	K. Handlebar grips (2)
D. Forks (3)	L. Tribars (2)
E. Brake rotor (1)	M. Forearm supports / pads
F. Brake calipers (1)	N. Hand grips (2)
G. Brake cable (1)	
H. Brake lever (1)	

Delivery

In most cases, your Afari will be delivered fully assembled. You will need to adjust the handlebar, hand grips and brake levers to make sure they fit you comfortably. We will assist you with the initial fitting and show you how to adjust the fit of your Afari over time.

Adjusting your Afari to fit you



There are several adjustments you can make to get your Afari set to its best and most comfortable fit, just for you! If you need to re-fit the Afari to you or another user, take the following steps. This process is most easily accomplished with an additional set of hands, so get help during the fitting.



Note: All adjustments can be made by **3 Allen-head** hand tools, sized **4mm, 5mm** and **6mm**, in the Afari multitool included with your purchase. Using a power tool is not recommended.

Handlebar height adjustment

With a 6mm Allen wrench, loosen the bolt in the neck of the quill stem (ref. 1, at right). Raise or lower the neck of the handlebar assembly until you can rest your elbows in the forearm supports with your arms bent at approximately a 90-degree angle. Tighten **bolt 1**.



Handlebar width adjustment



Note: Your arms should rest on the forearm supports at a comfortable width (approximately shoulder width), neither pressing against the sides of your body nor spread too far apart.

- Loosen the two (2) **4mm Allen-head bolts on each tribar** (ref. 2, at right).



Note: There are 2 of these bolts on the left side clamp and 2 on the right side, but you may only need to loosen 1 of the bolts on each side to allow the tribar to slide left or right on the handlebar.



Note: The reference in the picture points at the bottom of these bolts. The bolt heads for these connections are accessed from the bottom of the clamp.

- Find a comfortable spacing for your arms when they extend forward to rest on the Afari.
- Slide the tribars inward or outward until they allow your forearms to rest comfortably on the forearm pads. Make sure you maintain an approximately equal distance from each tribar to the end of the handlebar while you are setting the appropriate width.

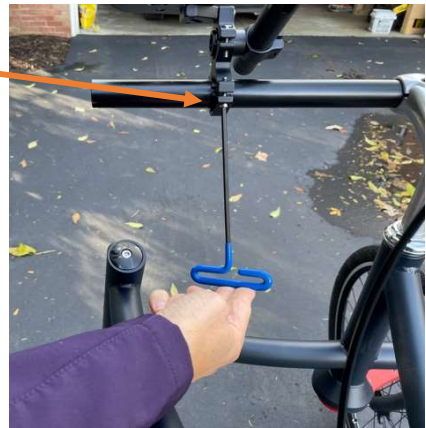
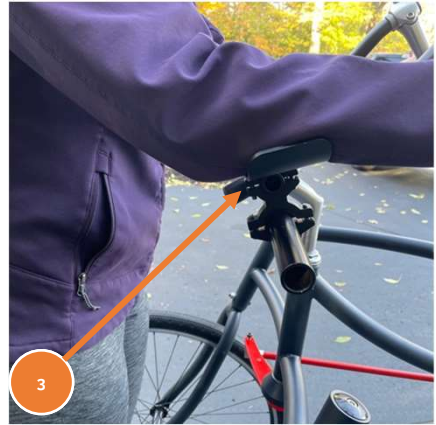


Note: Before you tighten the bolts, adjust the angle of the forearm supports to fit comfortably, as described in the next step.

Adjust the angle of the forearm support

Choose either your right-hand or left-hand side tribar and adjust the forearm supports to the correct angle.

- With the two forearm support width and angle adjustment screws still loose, and with the tribar able to rotate freely on the handlebar, set the forearm support to a comfortable angle.
- While standing at the Afari, rest your forearms on the forearm supports. Do not hold the tribars or hand grips.
- Adjust the forearm supports to an angle that allows your forearm to rest comfortably in the support (ref. 3, at right). When resting your forearm in the support, you should not feel pressure on your forearm from either the leading or trailing edge of the support.
- While holding this desired angle in place, re-tighten the **4mm Allen-head** screws to hold the forearm supports firmly in place (ref. 4, below right).



Adjust the tribars and hand grips

It is easiest to adjust one side at a time. Follow the instructions below on one side and then repeat with the other.

- Loosen the indicated Allen-head screw (ref. 5, below right), just to a point where you can increase/decrease the length of the tribar from the forearm support to the hand grip.
- Loosen the indicated Allen-head screw (ref. 6, below right) so you can freely rotate the tribar
- With these two clamps loosened, you can freely move and rotate both the tribars and the hand grips.
- While both the tribar and hand grips are loose, bring them to a point where you can hold them comfortably in your hands while your forearms continue to rest flat in the forearm supports.
- Adjust the length of the tribar so your forearm fits comfortably in the support while holding the hand grip.
 - Make sure your arm still lies flat in the forearm support while you are holding the hand grip.
- Adjust the angle of the hand grip so your wrist remains at a comfortable angle while you are holding the hand grip.
- While you hold the tribar and hand grips in this position, have an assistant re-tighten the Allen-head screws holding the tribar and hand grip assembly in place.
- Repeat this fitting procedure for the other side.



Install and adjust the fit of the brake lever



- Loosen the **5mm Allen-head** screw on the clamp holding the brake in place on the hand grip (ref. 7, below).
- Slide the hand brake onto the hand grip for the hand with adequate hand strength and with which you are most comfortable and confident in working the brake lever.
- Place the brake lever in the orientation shown below on the hand grip.



- While holding the hand grips, with your forearms flat in the forearm supports, place the brake lever at the angle that allows you to operate the brakes most easily and comfortably.



- Tighten the screw to hold the brake firmly in its intended position (ref. 7, above).

Finishing the fitting process

- Go back through and make sure all handlebar, tribar, hand grip and brake lever screws are tightened. Test the complete steering assembly to make sure it is solid and supports the appropriate amount of your body weight without moving.



- Install forearm pads (supplied) onto the forearm support.
- If desired, install handlebar tape (purchased separately) on hand grips.

Installing Accessories

- Install accessories according to the directions provided with each individual item.
- Before installing accessories, refer to and comply with all instructions for safe use and applicable warnings.
- Nothing should be mounted from the steering mechanisms, or in a manner that in any way impedes the steering mechanisms.
- Test the installation of any accessories before using the Afari to make sure they do not interfere with steering or braking functions.

Transporting the Afari

It is recommended that you transport the Afari fully assembled using a bicycle carrier with arms extending no less than 23 inches to reach through both upper frame tubes (ref. 8, below left).

See also the instructional video on how to transport your Afari at <https://www.youtube.com/watch?v=4WOCpWQk6CY>

- Slide the left-hand bike carrier arm under the angled Afari frame support.
- Slide the right-hand bike carrier arm under both upper Afari side frame tubes.
- Adjust the bike carrier's attachments to the Afari frame in at least 3 points.
- Secure the Afari to the bike carrier using either connections provided with the bike carrier, or some other form of secure tie-down strap (ref. 9, below right).





Maintenance

 Failure to properly clean and maintain your Afari may affect performance, lead to bodily injury or property damage and may invalidate / void any warranty.

Perform normal cleaning and maintenance on your Afari from time to time, as follows:

- Rinse your Afari with fresh water each time you use it in and around saltwater, to avoid accelerated corrosion.
- Keep your Afari clean with warm water and liquid soap

 **Do not use strong chemicals** such as ammonia, bleach, or powder cleansers with bleach.
 **Do not use high-pressure washers**, which can damage bearings or the finish of the Afari.

- Lubricate your tire bearings with a waterproof grease appropriate for bicycles
- Maintain adequate tire pressure of 50 to 60 psi (or according to the recommended pressures indicated on the tires).
- Check your brakes to make sure there is adequate stopping pressure. Contact your local bike shop for assistance in adjusting your brakes, if necessary.
- Contact a local bike shop for service or replacement parts

Product specifications

Measurement	Commuter	Off-road
Length (L)	63"	63"
Width to outside of rear tires	26"	30"
Width between rear tires	21 ³ / ₄ "	21 ³ / ₄ "
Height (26" tires): To top of frame Total overall height (min ¹) Total overall height (max ²)	42" 43" 47 ¹ / ₂ "	42" 43" 47 ¹ / ₂ "
Height (29" tires): To top of frame Total overall height (min ¹) Total overall height (max ²)	43 ¹ / ₂ " 44 ¹ / ₂ " 49"	Not available

1 This was calculated with height adjustment of handlebar set at its lowest setting, measured to the forearm rest.

2 This was calculated with height adjustment of handlebar set at its highest setting, measured to the forearm rest.

Published Product Bulletins



As of the date of this manual, the following product bulletins have been issued. Read each product bulletin to fully understand how to safely use your Afari.

- Product Bulletin 2022.03.29 – Tipping Hazard When Operating the Afari Outside It's Operating Parameters

Afari Product Bulletin

Warning – Tipping Hazard When Operating the Afari Outside Its Operating Parameters

The Afari is one of the most stable outdoor mobility assistance devices on the market at this time but operating the Afari outside its recommended operating parameters may cause it to become unstable and create a falling / injury risk to the operator.

The Afari's product manual provides the following information and cautions related to the product's operating parameters:

- ALWAYS operate the Afari within the following operating limits:
 - Uphill angle < 10 degrees
 - Downhill angle < 10 degrees
 - Sideways / lean < 5 degrees
- ALWAYS cross obstructions such as curbs, roots, etc., straight on, keeping the rear wheels level.
- NEVER make sharp turns while moving uphill or downhill.
- NEVER move up or down a hill at an angle to its slope
- ALWAYS move directly up or down the slope of a hill
- ALWAYS Operate at normal walking speeds, not more than 4 mph.



As a 3-wheeled device, the Afari is at its least stable when forces are applied to it at an angle in the forward-right and forward-left directions. Under certain conditions, these forces can cause the Afari to become unstable to the point of tipping. Conditions where these forces are present **MUST BE AVOIDED**, and can include:

- ✗ Moving uphill at an angle to the hill
- ✗ Moving downhill at an angle to the hill
- ✗ Turning the Afari while ascending or descending a hill
- ✗ Sudden sharp turns while moving at fast walking speeds
- ✗ Moving at an angle (i.e., with one rear wheel at a time) through dips or mounds in the terrain
- ✗ Moving up or down curbs at an angle

If your Afari begins to tip over **DO NOT ATTEMPT TO KEEP IT UPRIGHT**. The Afari's weight helps provide stability under its normal operating conditions, but when operated outside its operating limits it may become unstable up to the point of tipping, and when this occurs it will be very difficult for you to right it or keep it from tipping over. Holding the Afari while it is tipping creates the risk of injury to the operator.

If you find yourself in conditions that cause the Afari to tip, **DO NOT ATTEMPT TO HOLD THE AFARI UPRIGHT**. Release the handlebars, step back from the Afari, and allow it to either right itself or tip over. Then, seek help to right the Afari and return it to a place where you can operate it within its recommended operating parameters.



If you are unable to stand independently without holding on to the Afari, then we strongly recommend that when using the Afari, you have a companion accompanying you who is able to provide you with support if the Afari becomes unstable or tips over.



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