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Disclaimer

Congratulations on your purchase of **SteadyCross** the first Magnetic Camera Stabilizer!

The information and guidelines herein contain instructions for safety, operation and maintenance, while they also affect your legal rights and responsibilities. It is therefore essential to read and follow all of the instructions and warnings in this manual, prior to assembly, setup or use, in order to operate the product correctly and avoid injury to you or bystanders, or damage to your device or property.

By using this product, you hereby signify that you have read this document carefully and that you understand and agree to abide by our terms and conditions. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all terms, precautions, practices, policies and guidelines we have made and may make available.

We accept no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. Users shall observe safe and lawful practices including, but not limited to, those set forth herein.

We reserve the right of final explanation for this document and all relevant documents relating to SteadyCross, and the right to make changes at any time without notice.

IMPORTANT: SteadyCross is a sophisticated product, it must be operated with caution and common sense. Operation requires basic understanding of physics and some mechanical skills.

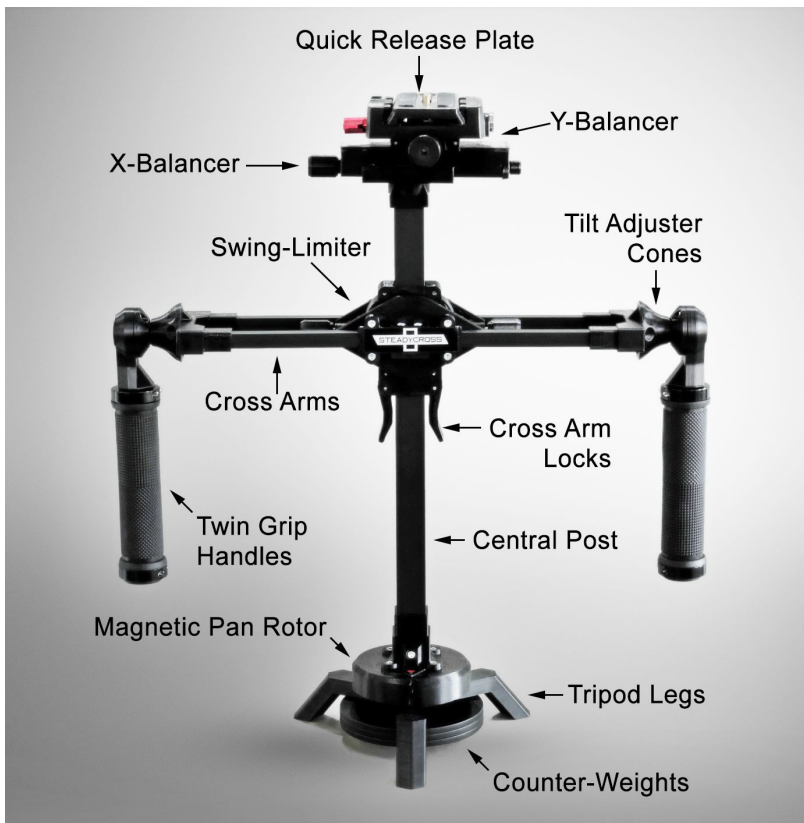
Visit www.steadycross.com for the latest product information!



Introduction

SteadyCross is shipped to you fully assembled – you only have to mount your camera and balance the rig before use!

Parts of the rig:



WARNING: Do not adjust or tighten the factory settings on the screws. The only parts you'll normally be adjusting are the Thumb Screws and the Arm Locks which are all tool-less and should only be tightened by hand.



Setup & Balancing

NOTE: *We strongly recommend you watch our Step-by-Step Setup and Balancing video on www.steadycross.com*

Step 1 – Mount your Camera

- Loosen the red Thumb Screw and push the red Security Button on the Quick Release Plate to pull the Sliding Plate off.
- Fix the Sliding Plate to the Camera with the Mounting Screw.
- Use a coin to tighten the Mounting Screw.
- Mount your Camera on SteadyCross.

Step 2 – Prepare for balancing

Before you begin the balancing process check the followings and make sure they have been done:

- Camera is securely attached to the Quick Release Plate and its weight is less than the maximum payload capacity (3.5lbs/1600g).
- The Lens Cap has been removed and the zoom is set for shooting.
- Camera Battery and SD card(s) are installed.
- If the Camera has a flip-out LCD make sure it's in operating position.
- Set SteadyCross to Setup Mode! **NOTE:** *In Setup Mode the Red Triangle Sign on the Magnetic Pan Rotor should face backwards (opposite direction than the Camera). This way the forward magnetic force is turned off and will not affect the balancing process.*
- Set the Y-Balancer roughly to the center.
- Make sure that all 3 Counter Weight Disks are attached to the bottom.



WARNING: Always keep all 3 counterweights on the rig regardless of the camera weight! Only experienced users with full understanding of the physics and operation of SteadyCross should experiment with less counterweights!

Step 3 – Rough Y-Balancing

NOTE: *For better understanding of the balancing process we recommend you watch our **Step-by-Step Setup and Balancing video** on our website: www.steadycross.com*

- Turn SteadyCross sideways by 90 degrees, where the Camera will face to your left (or right).
- Grab the Central Post, then lift and tilt SteadyCross forward with one hand.
- Check the initial Y-Axis balance.
- Adjust the Sliding Plate's position! If the Camera turns downwards, pull the Sliding Plate back. If the Camera turns upwards, push the Sliding Plate forward.
- Repeat above steps until rough Y-Balance is found. If SteadyCross is balanced correctly on the Y-axis, then the whole rig with the Camera will hold its position when you tilt it forward.

WARNING: *Always adjust the Sliding Plate's position a bit at a time and make sure you secure the Quick Release Plate's thumb screw after any adjustments.*

Step 4 – Rough X-Balancing

- Turn back SteadyCross by 90 degrees, where the Camera faces forward from your point of view.
- Grab the Central Post, then lift and tilt SteadyCross forward with one hand.
- Check the initial X-Axis balance.
- Adjust the X-Balancer's position! If the Camera turns to the right, move the X-Balancer to the left by turning its Thumb Screw



counter clockwise. If the Camera turns to the left, move the X-Balancer to the right by turning its Thumb Screw clockwise.

- Repeat the steps above until rough X-Balance is found. If SteadyCross is balanced correctly on the X-axis, then the whole rig with the Camera will hold its position when you tilt it forward.

Step 5 – Fine Balancing

After balancing the Y and X axes roughly as described above you will have to go back and repeat Step 4 & 5 until you obtain a truly fine balance of the whole system.

WARNING: *You have already found a rough Y-axis balance, so instead of adjusting the Sliding Plate's position, use the Y-Balancer to refine the Y-axis! If the Camera turns downwards, move the Y-Balancer backwards by turning its Thumb Screw counter clockwise. If the Camera turns upwards, move the Y-Balancer forward by turning its Thumb Screw clockwise.*

Step 6 – Set the rig to Shooting Mode

In Shooting Mode the Red Triangle on the Magnetic Pan Rotor will face forward (same direction as the Camera), while the Green Circle Sign on the Magnetic Pan Rotor will face the camera operator during normal use.

Step 7 – Find the right Z-Position

Z-position is the relative height of the Cross Arms on the Central Post, which is mainly determined by the weight of your Camera. For example, if you use a heavy Camera close to the maximum payload capacity (3.5lbs/1600g) of the rig, then you'll have to set the Z-Position as high as possible. With lighter Cameras you can go lower, as long as the rig doesn't turn upside down when you lift it up.

To adjust the Z-position:

- Unlock the Cross Arm Locks.
- Move the Cross Arms up or down.



- Lock the Cross Arm Locks.
- To test the Z-Position setting, pick the rig up and swing it forward.
- Repeat the steps above until you find the right settings for you.

TIP: *Set it lower for fast actions and turns, set it higher for slow movements & better horizons.*

Step 8 – Adjust the Swing-Limiter

The Swing-Limiter is responsible for frictional damping on the Roll axis.

- Completely release both Limiter Thumb Screws by turning them counter clockwise.
- Try to set them equally (by turning the Limiter Thumb Screws clockwise)
- To test your setting, pick the rig up and swing it sideways.
- Repeat the steps above until you find the right settings for you.

TIP: *We recommend a setup where the Swing-Limiter stops even a heavily swaying rig after 2-3 short swings but doesn't affect the resting position.*

WARNING: *Do not over tighten the Limiter Thumb Screws as it could cause thread stripping.*

That's it, now you are ready to shoot!



Tips for Operating SteadyCross

Camera Settings

If your camera has In-Body Image Stabilisation or a Follow focus option, we recommend you turning them ON

WARNING: If your camera has **I.S. Lock function** as well, it should be turned off as it could cause unwanted jerks in your footage.

Operating the rig

SteadyCross is basically a point-and-shoot device: just follow your target and the rig will take care of the rest.

The Magnetic Pan Rotor controls smooth panning automatically, so you only have to manually intervene for tilting the rig up or down. There are Tilt Adjuster Cones next to the Handles, which you can operate with your thumbs. We recommend that you grab the handles in a way so that you can rest your thumbs constantly on the Tilt Adjuster Cones. Not only you'll be constantly ready to tilt when required, but it'll also be easier to control and prevent any undesirable tilting swings.

You can easily take low-angle shots with SteadyCross. To do so, just set the Z-Position of the rig low enough that the rig will turn upside down when you lift it up*. During editing you can turn the footage back to its normal orientation.

***WARNING:** *Only do upside down shots with the utmost care to avoid damaging your Camera!*

NOTE: *As said before, SteadyCross is an easy-to-use device, however it is highly recommended to practise your techniques before you use it on a shoot. You might be a complete natural right out of the box but we generally suggest that you dedicate at least a few hours shooting and reviewing footage to find the right settings for you!*



Accessories

The current model of SteadyCross is not equipped to mount accessories like wireless monitors or focus controls. However, you can add accessories (e.g. microphones) to the hot shoe on your Camera unless the total payload remains below 3.5lbs/1600g.

Dismantle

By releasing a couple of screws with the supplied hex wrench, you can easily dismantle the arms which makes it simpler to pack the stabilizer in a bag or luggage. You'll find the hex wrench inserted in the side of the Y-Balancer unit below the Quick Release Plate. There are 2 screws to be removed next to each other on both sides of the rig in the middle of the Cross Arms, directly above the 'SteadyCross' logo sticker and on the opposite side as well.

Fatigue

Compared to single-handed gimbals, SteadyCross is much less exhausting to use and it is much less likely to strain your arms. Even so, using it for extended periods of time can easily tire your hands or your back. If fatigue sets in while shooting we recommend that you take a break and place the unit upright on a level surface.



Maintenance

Water and dust

SteadyCross is water and dust resistant, however it is not completely dust- or waterproof, which means it resists the penetration of water and dust to some degree but not entirely. Therefore avoid long and direct exposure to heavy rain, dirt, sand or any other harsh environment!

Temperature

We use a highly resistant polymer that can withstand heat up to 95°C (200°F), but we recommend not to expose SteadyCross to extreme high temperatures as some of the plastic parts may begin to soften and potentially warp out of shape. Don't leave it on direct sunlight or in a car on a hot day! Think of it like any other camera gear as you wouldn't leave your expensive camera in a hot car either. The minimum operating temperature is -10°C (14°F). This is due to the bearing lubrication oil that may potentially start to harden past this temperature which would affect the operation of the stabilizer.

Cleaning

Do not use solvents or harsh cleaners of any kind on your SteadyCross. If the unit becomes dirty, use a damp soft cloth or sponge and a mild detergent to gently clean external parts.

Storage

If going to store your SteadyCross for a long period of time then please store the unit upright on its legs in a dry or low to normal humidity area whenever possible. If you are unable to find an environment like this, then we suggest you store the unit in an airtight plastic container or bag. Storing the unit upright helps alleviate stress on the system.



Warning

Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury. Damage may be caused if the product is used with incompatible components, dropped or subjected to external force. When handling and operating your SteadyCross, always avoid violent, jerking arm and/or body movements. Doing so could cause damage to the unit or cause your Camera to pull loose from the Quick Release Plate.

You should make sure that you're very careful when using your SteadyCross at night or in low light conditions. Do not make the mistake of focusing so much on what you are shooting that you trip and fall over something, or wander into something dangerous like a swimming pool or automobile traffic. Be extra careful when shooting on stairs, uneven terrain, etc. These cautions pertain to daytime shooting as well. If you plan on shooting while moving fast, or while moving on uneven terrain, then be sure to wear knee and elbow pads, eye protection and a helmet.

Make sure that all children using this product have adult supervision.



Technical Specifications & Product Features

- Max. recommended payload: 3.5lbs / 1600g*
- Net. weight (incl. counterweights): 4.8lbs / 2200g
- Dimensions: 17x16x6 Inches / 44x 40x16 cm
- No electronics, no batteries
- Heat resistant up to 95C° / 200F°
- Aluminium and stainless steel metal body
- 3D printed TitanX* plastic custom parts
- Manfrotto P200 compatible quick release plate
- 3 x 250g powder-coated counter weight disks
- Ergonomic X-Y balancer camera head
- Innovative torsion limiter & frictional damper on Roll axis
- Twin grip design, durable rubber handles
- Magnetic Pan Rotor with neodymium magnets (patent pending)
- Practical tripod legs
- Disassemble for travel: unscrew and remove the horizontal arms
- Ships assembled and extensively tested

*While putting a bigger payload on the rig is not recommended, a slightly heavier camera setup may still work properly with a marginally slower follow mode on the pan axis.



Warranty

For 1 year from the date of shipment, we will repair or replace your SteadyCross, free of charge, in the event of a defect in materials or workmanship obtained during normal use or handling based on the user manual.

Please note that we will not cover any packaging, shipping or insurance costs for returning the product to us. If any VAT or import duties are applied to the return, we will also charge these costs to the customer. This limited warranty extends only to the original purchaser, and you will need your purchase receipt.

This warranty does not cover, by way of example, damage caused by products not supplied by us or damage resulting from mishandling in transit, accident, misuse, vandalism, neglect, modification, unauthorised alteration, lack of reasonable care (or commercial use, including rentals to others), damages due to force majeure (such as fire, flood, lightning, etc.) or service by anyone other than us. There are no express warranties except as listed above.

We are not liable for incidental or consequential damages resulting from the use of the unit or arising out of any breach of this warranty. All express and implied warranties, including the warranties of merchantability and fitness for a particular purpose, are limited to the 1 year warranty period.

Do not send the unit to us without first getting a response and getting the approval to send back the item.

In case of any kind of dissatisfaction, we urge you to contact us immediately at support@steadycross.com and we shall do our best to help you out.