DUOTONE

CLICK BAR

User Manual

TIPS & TRICKS

WATCH OUT FOR USEFUL TIPS & TRICKS REGARDING OUR PRODUCTS UNDER WWW.DUOTONESPORTS.COM.



1. RELEASE OF LIABILITY

RELEASE OF LIABILITY, CLAIM WAIVER, ASSUMPTION OF RISK

By assembling and/or using this DUOTONE product, you agree that you have read and understood the entire DUOTONE product owner's manual, including all instructions and warnings contained in that manual, prior to using the DUOTONE product in any way. You additionally agree that you will ensure any additional or subsequent user of your DUOTONE product will read and understand the entire DUOTONE product Owner's Manual, including all instructions and warnings contained in that manual, prior to allowing that person to use your DUOTONE product.

ASSUMPTION OF RISK

Use of the DUOTONE product and any of its components involve certain inherent risks, dangers, and hazards that can result in serious personal injury and death to both the user and to nonuser third parties. In using the DUOTONE product, you freely agree to assume and accept any and all known and unknown risks of injury to you and to third parties while using this equipment. The risks inherent in this sport can be greatly reduced by abiding by the warning guidelines listed in this owner manual and by using common sense.

RELEASE AND WAIVER OF CLAIMS

IN CONSIDERATION OF THE SALE OF THE DUOTONE PRODUCT TO YOU, YOU HEREBY AGREE TO THE FULLEST EXTENT PERMITTED BY LAW, AS FOLLOWS:

To waive any and all claims, that you have or may in the future have against Boards & More GmbH and all related parties resulting from use of the DUOTONE Product and any of its components.

To release Boards & More GmbH and all related parties from any and all liability for any loss, damage, injury or expense that you or any users of your DUOTONE product may suffer, or that your next of kin may suffer, as a result of the use of the DUOTONE product, due to any cause whatsoever, including negligence or breach of contract on the part of Boards & More GmbH and all related parties in the design or manufacture of the DUOTONE product and any of its components. In the event of your death or incapacity, all provisions contained herein shall be effective and binding upon your heirs, next of kin, executors, administrators, assigns, and representatives. Boards & More GmbH-related parties have not made and expressly deny any oral or written representations other than what is set forth herein and the DUOTONE product User's Manual.

2. SAFETY AND PRECAUTIONS

If you are not yet able to kite or if you feel insecure, you must attend a licensed Kiteboarding school to learn the basics of this fantastic sport. Get familiar with the safety precautions, which are indispensable for safe Kiteboarding.

Kiteboarding creates a heavy strain on your body. You should only go Kiteboarding if you are in good physical condition and suffer from no medical conditions that may prevent you from kiting. Always act carefully to not endanger yourself or anyone else. Do not endanger the safety of uninvolved third parties! Be aware of the risks you take and limit them to a minimum level!

Check that your Iron Heart and your safety leash are in good working order before and after using them each time. To do this, release them as described in section 4, Functions, then reassemble them.

Before going on the water make sure you are familiar with your DUOTONE equipment and memorise how to use it properly. Correct handling cannot simply be learned in an emergency.

For your own safety, read the following instructions as well as product descriptions very carefully.

2.1. KITEBOARDING SAFETY

- Fly your Kite only over unobstructed water. Never on land!
- Fly this kite only if you are a strong swimmer and are wearing a Coast Guard approved PFD.
- Only use bars with a safety system that you can open in emergency situations.
- Use a quick-release kite leash so that you can unhook your body from the gear in case of an unforeseeable emergency.
- Avoid power lines, telephone poles, airports, streets, buildings and trees.
- If you use a board that is leashed to your body, wear a helmet!
- Take into account the usual risks associated with water sports such as rocks, waves, sunburn, hypothermia, jellyfish etc.

2.2. DANGERS FROM THE KITE

WHEN KITEBOARDING YOU MIGHT FACE THE EXTREME FORCES OF THE ELEMENTS.

In rare cases the kite or its lines can cause dangerous situations:

- You can hurt yourself through uncontrolled water take-offs caused by gusty conditions, and the danger of collision with obstacles.
- The incorrect usage of lines creates a high risk of injury for yourself as well as others.

- People who get caught by the lines can suffer injuries or burns.
- Uninvolved third parties can get injured through crashing kites.
- Fly your kite only over unobstructed water.
- When kiting, do not fly over people or pets.
- Ensure that a semi-circle extending 100 meters downwind and to each side of your flying position is clear of people and obstructions.
- Use a kite leash that allows you to keep the kite under control.
- When not in use, inflated canopies must be secured with sand or heavy objects. A canopy filled with air can fly away at any time, injuring people and in extreme cases even kill them.

2.3. DANGERS FROM KITE LINES

- Never touch the kite lines when the kite is under wind load as these lines are dangerously sharp when under tension..
- Never use kite lines damaged with knots, nicks, cuts etc. They must be changed!
- Use only lines that have no knots in them, as knots can weaken lines by as much as 50 %.
- Do not touch the lines of the canopy, unless the kite has been secured to the ground. An unsecured kite can relaunch unexpectedly, putting the line dangerously under tension.
- Never tie lines around your arms or other body parts!!

2.4. DANGERS FROM THE KITEBOARD

- A collision with the kiteboard might cause serious head injuries.
- Injuries to the legs and feet are also possible.

2.5. DANGERS TO UNINVOLVED THIRD PARTIES

- It is within your responsibility to check whether uninvolved people or other athletes may be endangered or injured by your actions or your gear.
- Do not kite at places where uninvolved third parties might get injured.
- Avoid flying the kite in the vicinity of other water users such as swimmers, kayakers, windsurfers, waterskiers and boaters.

2.6. WEATHER RELATED DANGERS

- Avoid offshore wind.
- Be careful with onshore wind.
- Get information on tidal and sea current conditions at your kiting spot!
- Get information from both the weather report and the locals on prevailing weather conditions.
- Never use the kite with wind forces so strong that you are unable to maintain precise control.
- Do not use the kite when wind conditions are likely to change dramatically.
- Never use this kite when thunderstorms are nearby or when such storms have a good chance of developing (check the weather report!).
- Leave the water immediately when a storm is approaching. You are in a life threatening situation since you may be struck by lightning!

THE LISTED RISKS CANNOT BE COMPLETE.

The basic rules for kiteboarding comply with those of common sense and are valid for all outdoor sports.

3. SYSTEM

3.1. CLICK BAR

The Click Bar comes with 4 lines at 24/22 meters as standard. The already mounted line extensions can be shortened from 24/22 m to 22/20 m. Choose the 5th Element upgrade kit (not included in the Click Bar package) to convert the 4 line Click Bar into a 5th Element Bar. Find in-detail-videos about the conversion on our website.

IMPORTANT: THE CLICK BAR IS DELIVERED WITHOUT A CHICKEN LOOP OR SAFETY LEASH. DEPENDING ON THE USE AND NEEDS OF THE RIDER, FOUR DIFFERENT IRON HEART KITS ARE AVAILABLE AND MUST BE ORDERED SEPARATELY IN ORDER TO ENSURE FULL FUNCTIONALITY OF THE CLICK BAR.

- (A) Sliding Bar Stopper
- (B) TPU Covered Depower Line
- (C) Integrated EVA Floater
- (D) Sticky Bar Grip
- (E) Power Display
- (F) Trim Unit
- (G) Push Button
- (H) Winder
- (I) Iron Heart
- (J) Safety Leash (not included in the package)
- (K) Leader Line

Picture 1 *page 70*

Specifications in accordance with the French norm NFS 52-503

- Manufacturer: DUOTONE
- Usage: kitesurf / snowkite
- Compatible kites: all Kites produced by DUOTONE & North Kiteboarding till 2018
- Technology: release grip to be pushed away from the body
- Rider's weight max. / min.: 120 kg / 35 kg

3.1.1. CLICK BAR QUAD CONTROL

- (A) Pigtails
- (B) Extensions Lines
- (C) Left Front Line (red & blue Safety Line)
- (D) Upper Front Lines
- (E) Red → 4 Line 20 m, 22 m & 24 m (For all models regardless of the year)
- (F) Lower Front Lines V-Distributor II
- (G)
- (H) Back Lines
- (I) Iron Heart
- (J) Chicken Loop
- (K) Chicken Stick

Picture 2 *page 71*

3.1.2. CLICK BAR 5TH ELEMENT

TO CONVERT THE CLICK BAR QUAD CONTROL INTO A CLICK BAR 5TH ELEMENT, YOU MUST PURCHASE THE 5TH ELEMENT UPGRADE KIT FIRST.

5th element UPGRADE KIT

- (A) Pigtails
- (B) Extensions Lines
- (C) Adjustment Line
- (D) 5th Line (red & blue Safety Line)
- (E) Upper Front Lines
- (F) 5th Element Upgrade Kit
- (G) Grey b → 5 Line 24 m (North Kiteboarding kites till 2017)
- (H) Blue b → 5 Line 22 m (North Kiteboarding kites till 2017)
- (I) Red b → 5 Line 20 m, 22 m & 24 m (North Kiteboarding kites from 2018 and DUOTONE kites since 2019))
  Red → 5 Line 20 m (North Kiteboarding kites till 2017)
- (J) Lower Front Lines
- (K) V-Distributor II
- (L) Back Lines
- (M) Iron Heart
- (N) Chicken Loop
- (O) Chicken Stick

Picture 3 *page 71*

4. FEATURES

4.1. TRIM UNIT

TO POWER OR DEPOWER THE KITE, THE BACKLINES HAVE TO BE UNDER TENSION. THIS HAPPENS AUTOMATICALLY WHEN THE KITE IS FLYING. IF YOU WANT TO PRE-TRIM THE KITE WITHOUT TENSION ON THE BACKLINES, PULL THE LEADING LINES WITH ONE HAND WHILST TRIGGERING THE TRIM UNIT.

4.1.1. DEPOWER

1. To depower your kite, press the Push Button on the Trim Unit.

Picture 4 *page 72*

Each press of the Push Button on the Trim Unit will depower the kite by one level at a time. With 8 levels of power available, the Power Display and the marks on the leading lines will show you which level you are on at any time.

Picture 5 *page 72*

IN THE CASE OF PRESSING THE PUSH BUTTON ON THE TRIM UNIT ONLY HALFWAY, MORE THAN ONE DEPOWER LEVEL MAY BE RELEASED. IN STRONG WINDS THIS CAN BE AN ADVANTAGE FOR DEPOWERING THE KITE QUICKLY. IN ORDER TO AVOID THIS SLIPPING, IT IS IMPORTANT TO PRESS THE PUSH BUTTON WITH ENOUGH POWER.

4.1.2. POWER

1. To increase power, turn the handle of the Trim Unit (Winder) clockwise.

Picture 6 *page 72*

For every half a turn made the Trim Unit will increase power by one level. You can read the power level on the Power Display, or by the marks on the leading lines.

4.2. KOOK-PROOF LINE ATTACHMENT

ALWAYS CHECK THAT YOUR LINES ARE ATTACHED SECURELY AND CORRECTLY TO THE KITE BEFORE LAUNCHING.

Pictures 7 + 8 *page 73*

4.2.1. ATTACHING THE BAR TO THE KITE

1. Lay the line ends of the bar to the corresponding pig tails of the kites.
2. Tie the loops with a lark's head to the knots at the opposite ends and pull them tight.

Pictures 9 + 10 *page 73*

4.3. RELEASE UNITS

4.3.1. IRON HEART

CAUTION: ALWAYS CHECK THE FUNCTION OF YOUR IRON HEART AND TEST THE QUICK RELEASE BEORE LAUNCHING. MAKE SURE THAT NO DIRT, SAND OR OTHER RESIDUES ARE INSIDE THE IRON HEART AS THIS WILL GREATLY AFFECT ITS PERFORMANCE. IF THERE ARE ANY OBSTRUCTIONS YOU MUST CLEAN THE IRON HEART THOROUGHLY WITH SOME WATER BEFORE LAUNCHING.

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4.3.1.1. REASSEMBLING THE IRON HEART

AFTER RELEASE, KEEP THE RED SAFETY LINE PULLED IN DURING ASSEMBLY AND KEEP AN EYE ON YOUR KITE AT ALL TIMES. MAKE SURE NOT TO GET CAUGHT IN DRIFTING LINES. NEVER WRAP ANY LINES AROUND YOUR WRIST OR OTHER PARTS OF YOUR BODY.

1. Hold the release grip pulled upwards and make sure that the Release Pin is open.
2. Put the chicken loop ring on the small metal plate below the Release Pin.
3. Close the Release Pin with one finger while you are still pushing the release handle up.
4. Let the release handle slide down to lock the Release Pin in place.

Pictures 11 + 12 + 13 + 14 *page 74*

4.3.1.2. HOOKING INTO THE HARNESS

4.3.1.2.1. FREERIDE, FREESTYLE AND WAKESTYLE CHICKEN LOOP CONNECTION TO THE HARNESS

1. Hook the closed chicken loop into the kite's harness hook.
2. Turn the chicken stick to the right position.
3. Secure the chicken loop in the harness hook using the chicken stick.

Pictures 15 + 16 *page 75*

4.4.2.2. ROPE HARNESS LOOP CONNECTION TO THE HARNESS

1. Open the chicken loop.
2. Thread the loop around the designated rope at the harness.
3. Now reassemble the Iron Heart as described in section -> *4.3.1.1. REASSEMBLING THE IRON HEART.*

Pictures 17 *page 75*

4.3.1.3 STANDARD SAFETY MODE

4.3.1.3.1. SETTING UP THE STANDARD SAFETY MODE

1. The metal ring (Suicide Ring) at the Iron Heart is only attached to the red safety line and has no other connection to any other part of the system. The safety leash is hooked into the small eyelet of the Suicide Ring.
2. If you let go of the bar and Iron Heart in this mode, it will slide up along the red safety line towards the kite. The kite comes down safely and depowers on the red safety line.

Picture **18** *page 76*

4.3.1.3.1.2 RELEASING IN STANDARD SAFETY MODE WHILE HOOKED IN

1. To separate yourself from your kite in an emergency situation while you are hooked in, simply push the red release grip at the Iron Heart away from your body.
2. This separates the connection between your harness hook and the bar. The bar and Iron Heart slide along the red safety line towards the kite. The kite comes down safely and depowers on the red safety line.

Pictures **19** + **20** *page 76*

4.3.1.4. SUICIDE MODE

IMPORTANT: DUOTONE RECOMMENDS USING ONLY THE STANDARD SAFETY MODE BECAUSE IT PERMITS COMPLETELY DEPOWERING THE KITE. DUOTONE DOES NOT RECOMMEND USING THE SUICIDE MODE AT ANY TIME SINCE THIS MODE MAKES IT IMPOSSIBLE TO COMPLETELY DEPOWER THE KITE IN CERTAIN SITUATIONS. THE SUICIDE MODE MAY ONLY BE USED BY VERY EXPERIENCED RIDERS IF NECESSARY. RIDERS WHO USE THE SUICIDE MODE MUST BE AWARE OF THE CONSEQUENCES AND BEAR RESPONSIBILITY FOR ALL RESULTING DAMAGES!

4.3.1.4.1. SETTING UP THE SUICIDE MODE

1. The metal ring (Suicide Ring) at the Iron Heart is attached to the red safety line, and the safety leash is hooked into the small loop of the Suicide Ring. Additionally, the Chicken Loop runs straight down the oval middle loop of the Suicide Ring.

2. If you let go of the bar and Iron Heart in this mode, the bar is unable to slide up along the red safety line towards the kite. This means that the kite cannot be completely depowered. The kite will always retain a considerable pull.

IMPORTANT: YOU MUST BE AWARE OF THE FACT THAT IN SUCH A SITUATION, THE IRON HEART IS OUT OF YOUR REACH AND CAN THEREFORE NOT BE RELEASED.

Pictures 21 *page 76*

4.3.1.4.2. RELEASING IN SUICIDE MODE WHILE HOOKED IN

1. In order to separate yourself from the kite in an emergency situation while hooked in, simply push the red release grip at the Iron Heart away from your body.
2. This will separate the connection between your harness hook and the bar. The Suicide Ring automatically comes off the chicken loop.
3. The bar and Iron Heart will slide along the red safety line towards the kite. The kite comes down safely and depowers on the red safety line

Pictures 22 + 23 *page 76*

CAUTION: IN THE CASE THAT YOUR SUICIDE RING BECOMES IMPAIRED DUE TO A HARD CRASH OR SOMETHING SIMILAR, IT MUST BE REPLACED IMMEDIATELY. DO NOT TRY AND BEND IT BACK INTO SHAPE. A DEFORMED RING CAN CAUSE FAILURE.

THE FRONT PART OF THE SUICIDE RING IS CURVED SLIGHTLY DOWNWARDS. WHEN USING THE SUICIDE FEATURE, PAY ATTENTION THAT THE CURVE REMAINS POINTING DOWNWARDS AND THAT THE SAFETY LINE RUNS PROPERLY THROUGH THE SUICIDE RING.

Pictures 24 + 25 *page 76*

4.3.2. SAFETY LEASH

IMPORTANT: THE SAFETY LEASH MUST BE TIED TO THE SUICIDE RING BEFORE YOU LAUNCH THE KITE. ALWAYS REMEMBER THAT YOUR SAFETY LEASH IS THE LAST CONNECTION BETWEEN YOU AND YOUR KITE. ONLY RELEASE IT IN A CASE OF EXTREME EMERGENCY AND REMEMBER THAT AN UNCONTROLLED KITE IS A GREAT DANGER FOR OTHER INDIVIDUALS ON LAND AND ON THE WATER.

4.3.2.1. ATTACHING THE SAFETY LEASH TO THE HARNESS

DUOTONE RECOMMENDS ONLY ATTACHING THE SAFETY LEASH TO THE HARDNESS AT YOUR SIDE: DUOTONE RECOMMENDS NEVER ATTACHING THE SAFETY LEASH BEHIND YOUR BACK AS IN SOME SITUATIONS THIS CAN PREVENT EASY RELEASE. THE SAFETY LEASH SHOULD ONLY BE HOOKED IN BEHIND YOUR BACK IF YOU ARE A VERY EXPERIENCED RIDER AND IF NECESSARY. RIDERS WHO ATTACH THE LEASH BEHIND THEIR BACKS MUST BE AWARE OF THE CONSEQUENCES AND BEAR RESPONSIBILITY FOR ALL RESULTIN DAMAGES!

Attachment position behind the back: Picture 26 *page 77*

Recommended attachment position at the side: Picture 27 *page 77*

DUOTONE RECOMMENDS FOR RIGHT-HANDED KITERS TO ATTACH THE SAFETY LEASH ON THE RIGHT SIDE. FOR LEFT-HANDED ON THE LEFT SIDE OF THE HARNESS. THE CHICKEN STICK SHOULD BE INSTALLED ON THE OPPOSITE SIDE OF THE CHICKEN LOOP.

1. Thread the red line at the release grip through the metal ring of your harness.
2. Pull the loop of the red line over the release pin.
3. Pull the release grip down while you push the release pin down.
4. Let go of the release grip so that the release pin disappears inside the grip.

Pictures 28 + 29 + 30 + 31 *pages 77*

4.3.2.2. ATTACHING THE SAFETY LEASH TO THE IRON HEART

1. Pull back the neoprene cover and open the carabiner.
2. Hook the carabiner into the small eye of the Suicide Ring at your Iron Heart.
3. Push the neoprene sheath back up in order to safely cover the carabiner.

Picture 32 + 33 + 34 *page 78*

4.3.2.3 RELEASING THE SAFETY LEASH

1. Grab the release grip with your whole hand and push it away from your body.

2. The release mechanism is triggered by pushing the release grip down.
3. The safety leash is then completely released from your harness.

Pictures 35 + 36 + 37 *page 78*

4.4. SLIDING BAR STOPPER

CAUTION: THE SLIDING BAR STOPPER LIMITS THE SCALE OF DEPOWER AND SHOULD BE ADJUSTED TO THE RESPECTIVE ARM'S LENGTH. PUSH THE STOPPER AS FAR AWAY FROM YOU AS POSSIBLE. YOU SHOULD BE ABLE TO ONLY JUST REACH THE BAR AFTER LETTING GO OF IT. THE SLIDING BAR STOPPER IS NOT THE USUAL STYLE OF STOPPER. FOR SAFETY REASONS THE STOPPER SLIDES UPWARDS UNDER HIGH PRESSURE.

1. Release the Sliding Bar Stopper by pulling down the lower part of the Stopper.
2. Grab the Stopper and, in an opened position, push it up, or down.
3. Lock the Bar Stopper by pushing the lower part upwards again.
4. With the Grub Screw, the friction of the Stopper can be regulated or the position set. Do not turn the Screw too tight in order to avoid damaging the sleeve.

Pictures 38 + 39 + 40 + 41 *page 79*

5. SERVICE AND MAINTENANCE

CAUTION: IT IS NECESSARY TO RINSE YOUR CLICK BAR AFTER EACH USE.

5.1. RINSING THE IRON HEART

Rinse the Iron Heart with clean water. Be sure to open it right up and clean the inside. Move the Roto Head back and forth to remove any obstructions or residues from the ball bearing and interspaces. Use the Suicide Ring to also pull out the red safety line (about 80cm) and rinse it to remove sand from the passageway in the Iron Heart and the TPU cover/sleeve.

Picture 42 *page 79*

5.2. RINSING THE TRIM UNIT

1. Open the Rubber Plugs on the bottom side of the bar.

2. Rinse the opening with clean water. When doing so, move the mechanism of the Trim Unit back and forth using the Winder. Pull the leading lines to gain tension on the system.

Pictures 43 + 44 *page 79*

CAUTION: IF THE CLICK BAR MECHANISM IS RUNNING WITH DIFFICULTY YOU HAVE TO OPEN IT AND CLEAN IT WITH SOME SOAPY WATER USING AN OLD TOOTHBRUSH. ALTERNATIVELY YOU CAN TAKE YOUR BAR TO YOUR LOCAL DEALER FOR A SERVICE. FOR TIPS AND TRICKS ON HOW TO CLEAN YOUR BAR, FIND DETAILED VIDEO TUTORIALS ON OUR WEBSITE.

5.3. LINES

CAUTION: DEPENDING ON THE USAGE, SIGNS OF WEAR AND TEAR CAN OCCUR ON YOUR CLICK BAR. BECAUSE OF THIS, WE ADVISE THAT YOU CHECK YOUR LEADER LINES FOR STRESS MARKS EVERY 100 HOURS AND REPLACE IF NECESSARY. TO REPLACE THE LINES YOU'LL NEED TO REMOVE THE END CAPS FIRST. YOU CAN FIND AN IN-DEPTH TUTORIAL ON OUR WEBSITE.

Never expose your Click Bar to temperatures higher than 70°C. This level of heat can damage the structure of the lines and cause them to shrink. Carry out checks on a regular basis and see whether the lines are the same length. If they are not the same length, you can stretch them or compensate for the difference by replacing the supplied pigtails. You can find guidance and more maintenance tips at **www.duotonesports.com.**

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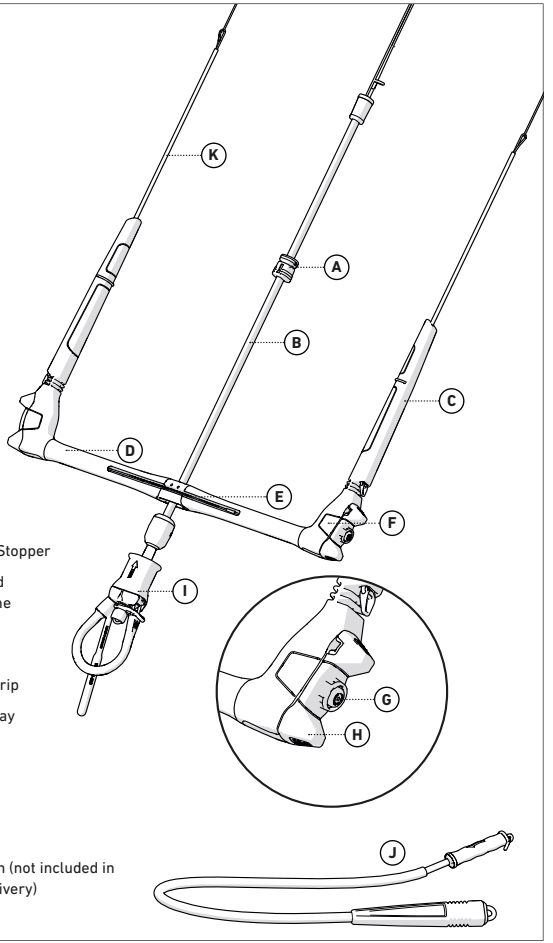
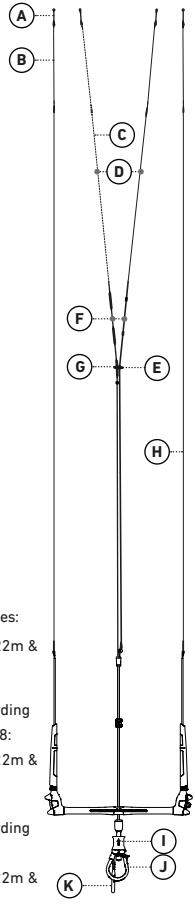


- (A) Sliding Bar Stopper
- (B) TPU Covered Depower Line
- (C) Integrated EVA Floater
- (D) Sticky Bar Grip
- (E) Power Display
- (F) Trim Unit
- (G) Push Button
- (H) Winder
- (I) Iron Heart
- (J) Safety Leash (not included in scope of delivery)
- (K) Leader Line

2

4 control



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All DUOTONE kites:

- 4 Line 20m, 22m & 24m → RED

North Kiteboarding kites from 2018:

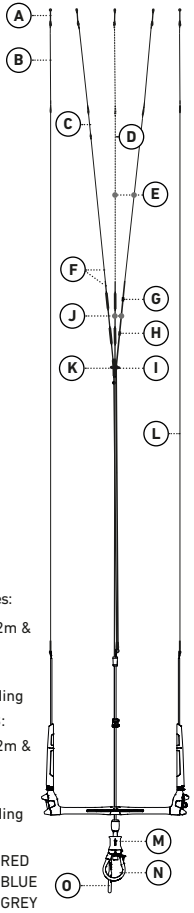
- 4 Line 20m, 22m & 24m → RED

North Kiteboarding kites till 2017:

- 4 Line 20m, 22m & 24m → RED

3

5th element UPGRADE KIT



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All DUOTONE kites:

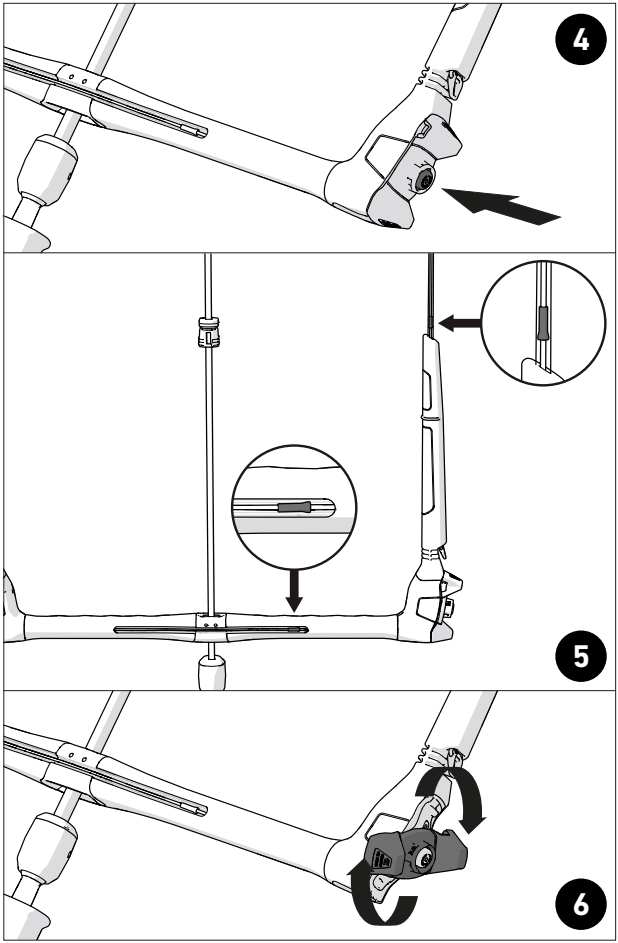
- 5 Line 20m, 22m & 24m → RED

North Kiteboarding kites from 2018:

- 5 Line 20m, 22m & 24m → RED

North Kiteboarding kites till 2017:

- 5 Line 20m → RED
- 5 Line 22m → BLUE
- 5 Line 24m → GREY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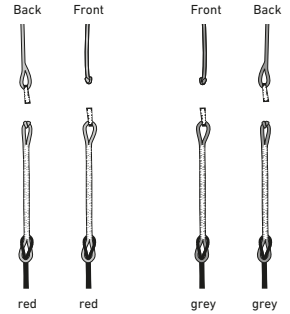
4 control

KITE



CLICK BAR QUAD CONTROL

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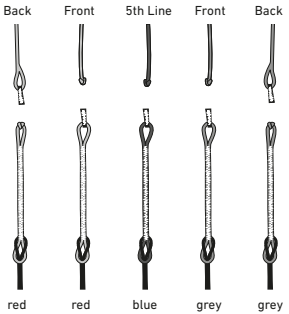
5th element UPGRADE KIT

KITE



CLICK BAR 5th ELEMENT

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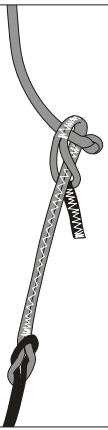

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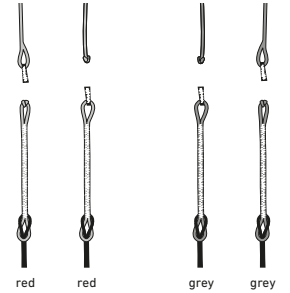
4 control

KITE



CLICK BAR QUAD CONTROL

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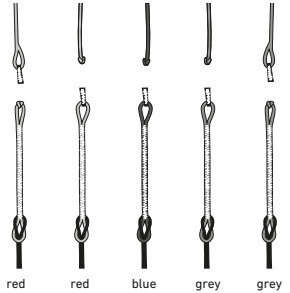
5th element UPGRADE KIT

KITE



CLICK BAR 5th ELEMENT

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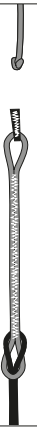

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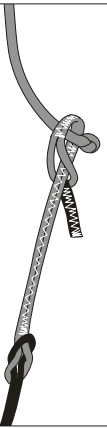

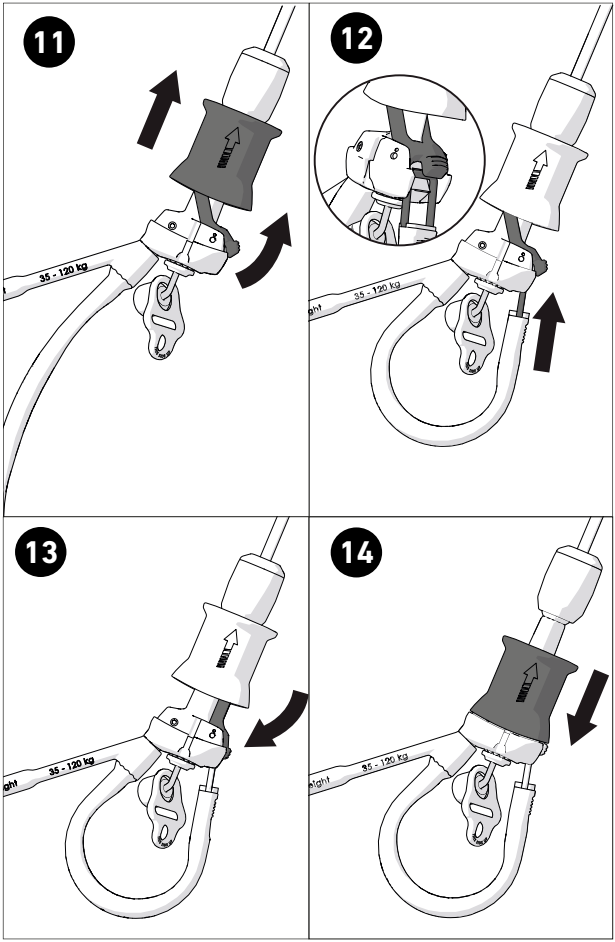
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35 - 120 kg
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35 - 120 kg
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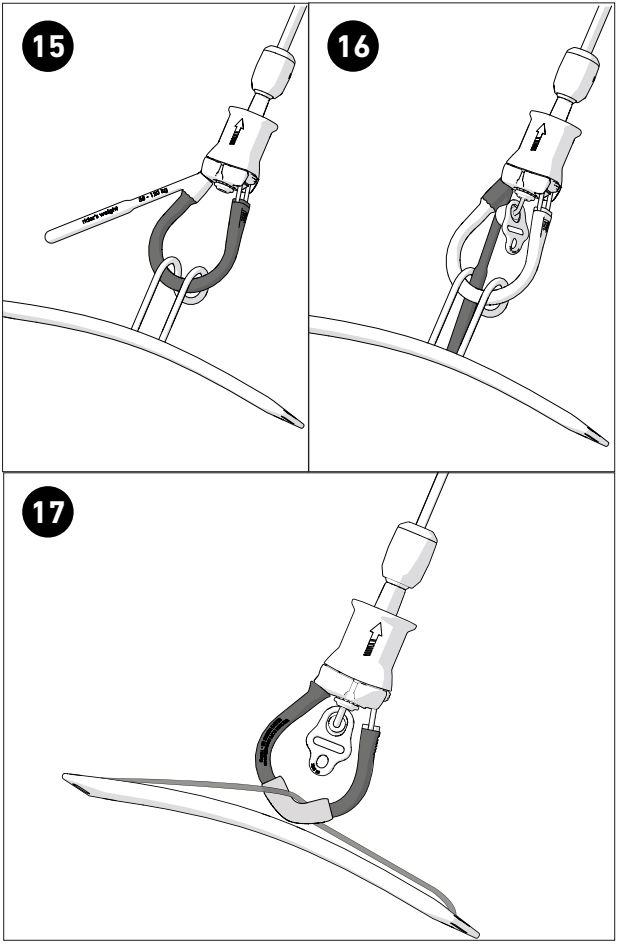
35 - 120 kg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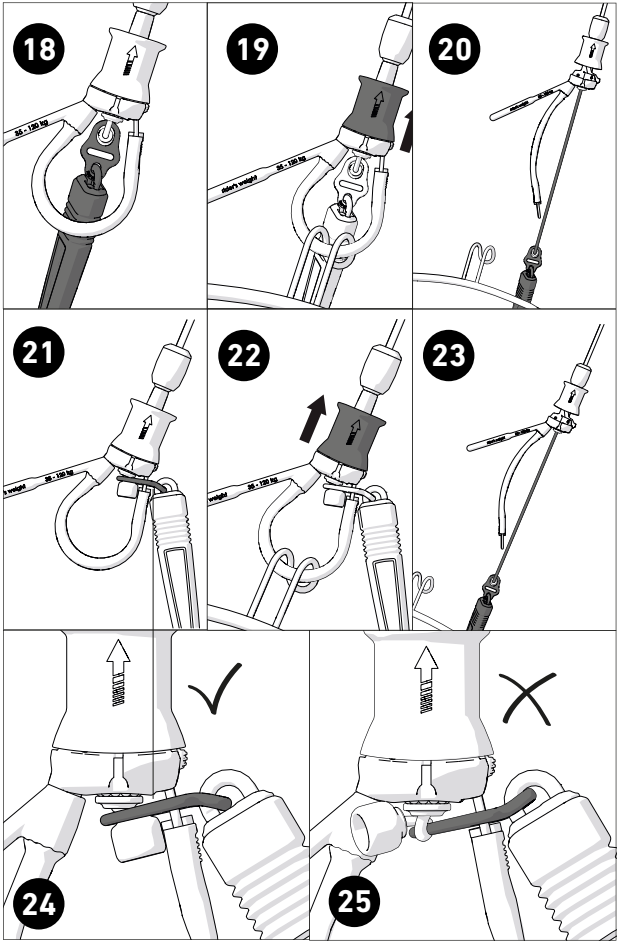
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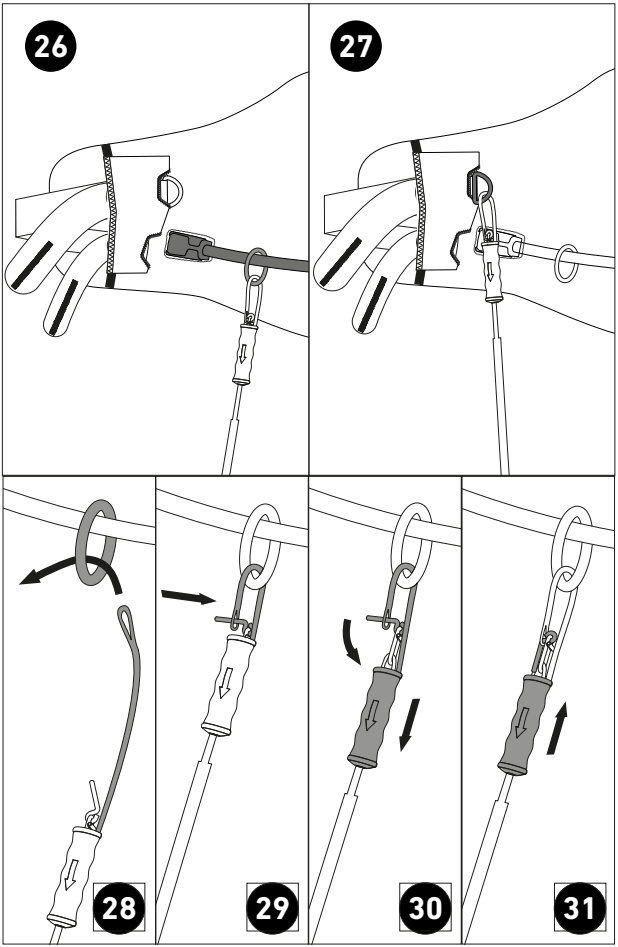
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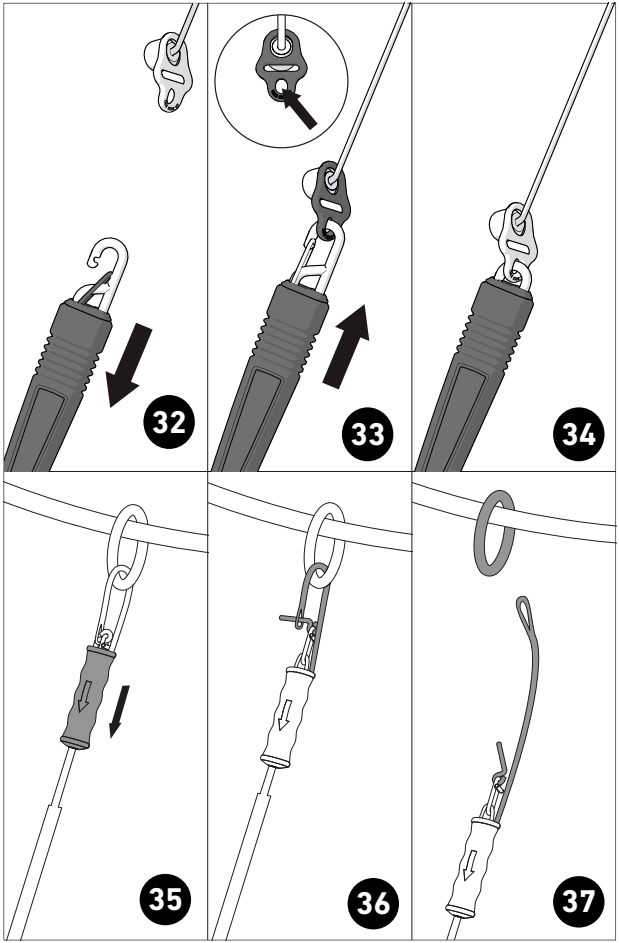
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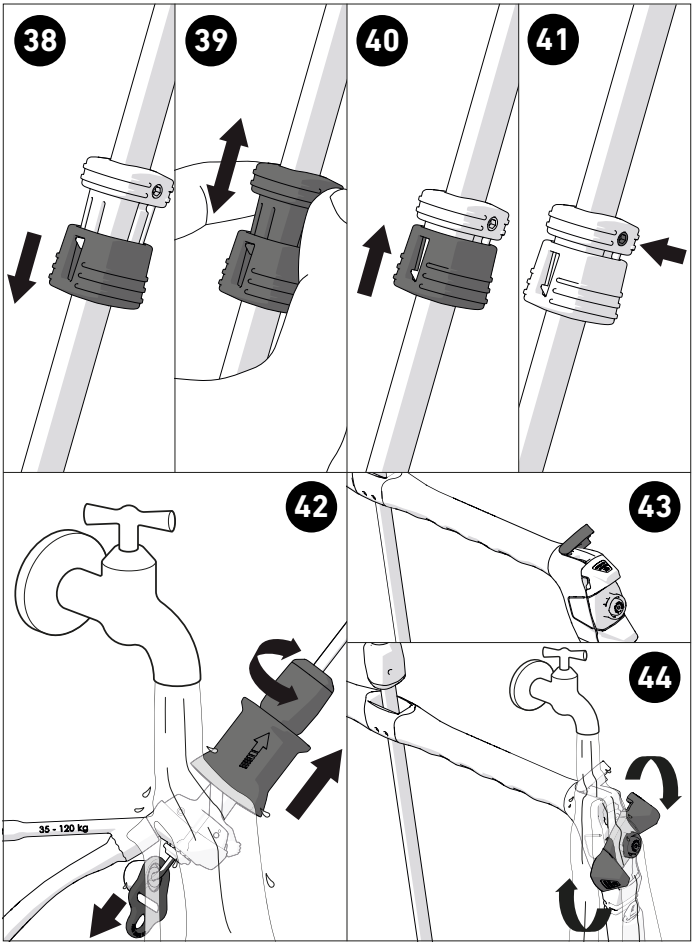
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35 - 120 kg



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