



ATC2

USER MANUAL

CONGRATULATIONS ON YOUR PURCHASE OF A SQUIRREL ATC 2 ("PRODUCT"). BY PURCHASING THIS PRODUCT, YOU ACKNOWLEDGE THAT ENGAGING IN SKY-DIVING, BASE JUMPING, PARACHUTING, AND "WINGSUITING" IS AN INHERENTLY DANGEROUS ACTIVITY THAT REQUIRES TRAINING, PROFICIENCY, AND SKILL. USE OF THIS PRODUCT MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT USE THIS PRODUCT WITHOUT INSPECTING IT AND ALL OF ITS COMPONENTS BEFORE EACH AND EVERY USE. YOU ACKNOWLEDGE AND AGREE THAT EVEN WHEN PROPERLY USED, THIS PRODUCT MAY CAUSE SERIOUS BODILY HARM OR EVEN DEATH. YOU, THE PURCHASER, ACKNOWLEDGE AND AGREE THAT THIS PRODUCT IS INTENDED FOR INHERENTLY DANGEROUS RECREATIONAL PURPOSES, AND YOU ASSUME ALL RISK, RESPONSIBILITY, AND LIABILITY WHATSOEVER FROM ANY AND ALL INJURIES (INCLUDING DEATH), LOSSES OR DAMAGES TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS PRODUCT SOLD BY SQUIRREL, LLC TO YOU, THE PURCHASER. SQUIRREL IS NOT LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, PUNITIVE, OR INDIRECT DAMAGES OR ANTICIPATED PROFITS, HOWEVER CAUSED, IN RELATION TO THE PURCHASE AND USE OF THIS PRODUCT. IN NO EVENT SHALL SQUIRREL'S TOTAL LIABILITY TO YOU, AS PURCHASER, OR YOUR ASSIGNS, HEIRS, REPRESENTATIVES, AND OTHER SIMILARLY SITUATED PERSONS, FOR ALL DAMAGES, LOSSES, AND CAUSES OF ACTION EXCEED THE PURCHASE PRICE PAID BY YOU, THE PURCHASER, FOR THIS PRODUCT. THIS PRODUCT HAS BEEN PURCHASED BY YOU "AS IS" AND WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT PERMISSIBLE PURSUANT TO APPLICABLE LAW, SQUIRREL, LLC DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF TITLE AND IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PLEASE READ THIS CAREFULLY BEFORE DOING ANYTHING WITH YOUR NEW WINGSUIT

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BEFORE YOU BASE, SKYDIVE. BEFORE YOU GET TOO CRAZY WITH YOUR ATC 2, TRAIN!

Please take your responsible progression seriously: skydive your wingsuit extensively before you BASE jump it, and train in your wingsuit extensively before you attempt any advanced maneuvers.

The ATC 2 is designed for intermediate wingsuit pilots who want a suit that is capable of flying an endless variety of maneuvers at any angle. Because the ATC 2 is capable of pressurized and stable flight at almost any angle, only your imagination will define the limits of what is possible in this suit. Like any suit with backfly inlets, the ATC 2 will maintain pressure in almost any configuration, even if you are not in control of it. Respect the limits of your abilities and progress slowly. Seek coaching and qualified instruction, and always maintain awareness of your surroundings. It is your responsibility to avoid collisions with other wingsuit pilots, parachutes, all air-traffic, and the planet Earth. Skydiving and BASE jumping are extremely dangerous, and complacency kills.



USE, CARE, AND FEEDING OF YOUR SQUIRREL

High Aspect Ratio Inlet

The new High Aspect Ratio Inlets on the front side of your suit require some care. Try not to store your suit in a tightly packed configuration. Do not store your suit folded tightly in hot conditions. For instance, the worst thing that you could do would be to leave it crammed into your stashbag in a hot car for a few hours. In the case of inlet deformation, massaging them into shape at or above room temperature will help to reform them.



Airfoil Cross-Section ("Arm Foam") Options

Your ATC 2 is shipped with 5mm black foam, which is inserted in the arms. We recommend starting with this foam option. The ATC 2 may be jumped without this foam, but your leading edge will appear less smooth, and be less efficient in flight.

THE "FREESTYLE" AIRFOIL CROSS-SECTION

The optional "Freestyle" foam is recommended for experienced pilots. The Freestyle foam improves speed and glide performance, and makes transitions feel more agile and precise. Adding in this enhanced leading-edge structure will slightly change the BOC and Riser access. We do not recommend using it for BASE jumping, or in any situation where a low deployment may occur.



Attaching Your Suit and Gearing Up

For a comprehensive video on how to attach your container to your wingsuit, please watch our Gearing Up video: <http://squirrel.ws/gearingup>

Zipper Bungees

The bungees that hold the zippers tight to the main lift webbing (MLW) of your harness must always be connected. **DO NOT** jump your suit without the zipper bungees set tightly around your harness MLW. Securing the bungees on the inside of the MLW usually results in the zippers being closer, and the hole being smaller.



Keep zippers close against MLW webbing.



Handles completely exposed.
Zippers tight against MLW.

We highly recommend using a standard pillow handle as the best choice for wingsuit flying. For more detailed information on the decision of what handle type is best, please see our Reserve Handle Information PDF here: <http://squirrel.ws/handles>

NOTE: If you think that the zipper system is not functioning well with your skydive harness (i.e. your emergency handles are not always 100% accessible), please contact us before your next jump. You may need to modify the zippers so that the sliders stay locked in place, as per the information at this URL: <http://squirrel.ws/zipperstuff>

Lateral Pass-Through: **IMPORTANT**

When you place your leg strap inside the suit, pass your harness lateral between the zippers. You can zip the bottom slider (it has a white spectra loop on it) up until it touches the bottom of your lateral. Have a friend check the height and positioning of the lower zipper while you are standing with your rig on. The zipper should not be crammed tight against the bottom of your lateral - just lightly touching it is fine.

The Velcro panels are OPTIONAL. If you don't like Velcro, leave them off. We recommend placing the Velcro panels **ONLY** if they do not come into contact with your lateral, and **ONLY** if there truly is plenty of room between your lateral and the end of the shoulder zip.

The Velcro panels can be used to help close any gap that may be present between the top of your lateral, and the bottom of the shoulder zipper. These Velcro panels are not structural nor do they withstand any load. They are simply to minimize the amount of air transfer into the body cavity of your suit. Securing the Velcro panels is optional, and a matter of comfort. They do not have a significant effect on performance. Most harnesses will require only one Velcro panel above the lateral. The rig in the photo attached is longer than average, and requires two panels above the lateral. Unused or spare panels can be stored in your nutsal.



Lateral passes through inside.

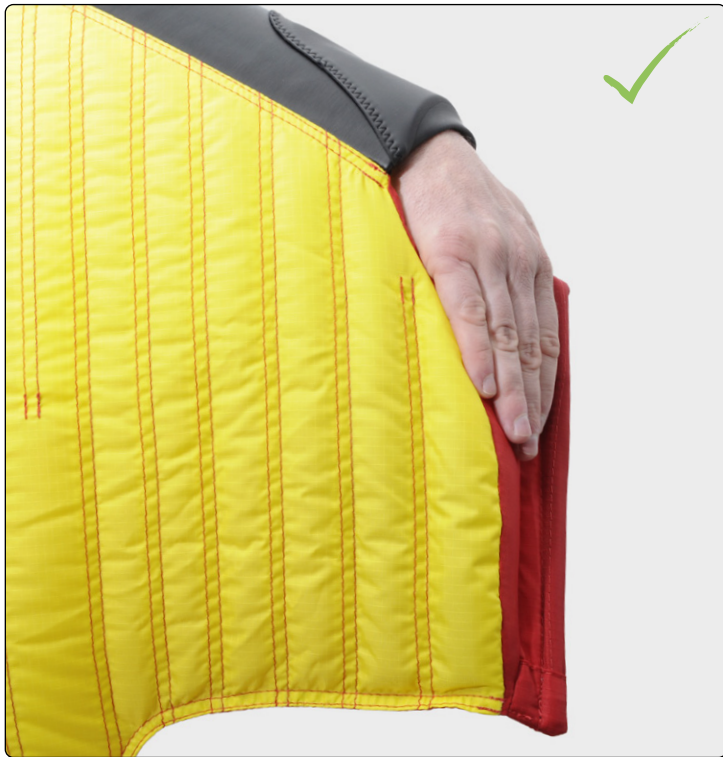


Optional Velcro panels added above lateral.

Holding Your Profile Gripper, and Positioning the Leading Edge of Your Suit

Holding your grippers correctly is an important part of controlling your ATC 2. The Integrated Profile Gripper allows you to pull tension and manipulate the arm wing efficiently, while providing an aerodynamic inflated “fairing” behind the hand. The top of the gripper is designed to be gently cradled between thumb and forefinger. It is **NOT** necessary to hold the gripper itself, tightly.

GOOD: Pilot’s fingers are all on the top surface (back side) of the gripper, resting against the arm wing end cell. The grip is somewhat relaxed, with the thumb in front and the top of the gripper nestled gently in the palm of your hand. Note that the gripper itself is not being held tightly.



**Position for belly flight.
Palm rests against arm wing end cell.**

NOTE: It is **NOT** necessary to hold the grippers tightly in flight. You can comfortably fly your suit from exit to deployment with a very light touch on the grippers. It is better to **NOT** hold the grippers than it is to hold them wrong, or to hold them too tightly.

Arm and Leg Wing Internal Zippers

The ATC 2's internal pressure can be fully customized. For the greatest range and performance, we recommend flying with zippers closed. You may experiment with opening them to reduce internal pressure in the arm and leg wings, which will make the arm wings feel more supple and may be to your liking for certain maneuvers. Make zipper-checks a part of your pre-flight checklist - zips should be set symmetrically and in the position you intend, before exit.



Nutsack

Don't overload your nutsack, it's made for your stuff-sack and small / lightweight accessories.



White Mylar

If you selected white mylar at your leading edge when you ordered your suit, it will become creased and worn over time. Wrinkling and creasing of this material is normal and will not negatively affect your flight. You should, however, take care to minimize the creasing by packing your suit with care.



Chest Pocket

The new chest pocket is an impressive feat of modern engineering. This cutting edge, state-of-the-art design*, is sure to impress. You will notice that, amazingly, it is possible to use the belly-cam access zip while also having your phone secured behind the Velcro strip. Thanks to this incredible design, the amount of brain power needed to not lose your phone is now significantly reduced. We estimate that this exciting new feature will save the skydiving community approximately nine thousand dollars worth of iPhones over the next two years. Please note that your high-tech chest pocket may not match the color of your suit - it will either be black, or white. Unless your name is Zach Carbo, then it will be pink. This is intentional.

**Patents not pending*



Leg Wing Zipper Pulls

Always fasten your leg wing zipper pulls. If you walk around with them dragging on the ground, you will ruin them. If your suit is on, have the zipper pulls connected. Do not drag them through the dirt.



Hook Knife

Every suit comes standard with an aluminum double bladed hook knife. Check to make sure that the hook knife is loaded properly and secured.



Sleeping And Bathing Your Squirrel

Don't smother your Squirrel! When it's hibernating, it likes to breathe and relax in a cool, dry, comfortable nest. Do not store your suit for long periods of time in a tightly folded or compressed manner. Always fully shade-dry your suit if it becomes wet or damp. Gently rinse with fresh water to clean, or if ever exposed to salt water. Never use chemical detergents – Squirrels like it all natural, all the time!

Your suit can be hand washed in cold water, or machine washed cold on a gentle cycle. Never tumble dry your suit. Hang dry in the shade.



Contact Us

Please consider the following important points:

1. We designed, tested, and built your wingsuit.
2. Our job is to make sure that you fly as safely as possible, while having the most fun possible.
3. Our job is to help you understand, use, and progress in, your suit.
4. Our job is to answer your questions, and we like our job.

For these reasons, we highly recommend that you contact US (SQRL) if you have any questions about any product that we make. We 100% guarantee that the information you receive from us will be more relevant, more accurate, and more thorough than anything you can find in facebook comments, internet forums, or even your DZ gear shop guru. So, again, call us. Email us. Together with your dealer & the local SQRL pros near you, we're here to help.

-Matt, Mike, Will, Marty, & All the Team.

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THANK YOU FOR FLYING SQUIRREL!

v.202001 - Check the ATC 2 product page at www.squirrel.ws for the latest PDF version of this manual.