



# ELB 400

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*Press release*

Elinchrom announces the most portable, compact and versatile outdoor flash unit, the ELB 400.

**Ever since Elinchrom launched the Ranger Quadra, the first portable studio flash system in 2009, demand has grown for portable and truly versatile solutions to enable photographers to use flash outdoors, where their creativity is endless.**

This year the ELB 400 is going a step further, taking the whole system to a higher level of creativity.

Enhanced with the intuitive Elinchrom OLED display, the ELB 400 now offers the same special features of the ELC Pro HD series such as strobo, delay and sequence mode. Outdoor creativity has just been redefined!

On the move, size is everything. Quadra heads are smaller, lighter and way more powerful than traditional speedlites. Tristan Shu, a French Sport photographer speaks from his own experience: "Having enough power while being at the bottom of a snow crevasse at -10°C under several meters of snow to take pictures of ski riders jumping above me was something I've been dreaming of for a long time. The compactness of the ELB 400 system made them the perfect tool for the task, I was able to set these powerful lights in places where bigger lights wouldn't have fit - and would have been such a logistic nightmare to carry over. The ELB 400 is so reliable, one less problem to solve, it makes my day so much easier!".

Versatility is commonly a misused word. More than just a portable studio flash solution, the ELB 400 invites you to adventure, travelling and playing. Wherever your beginning in photography, shooting sport, reportage or even studio photography, the ELB 400 is a real creative tool for every photographer.

Compatibility with all previous Quadra batteries, cables, heads and accessories is guaranteed. The whole Elinchrom range of accessories is compatible using the Quadra Reflector Adapter.

The ELB 400 will be available this spring in 4 set configurations. The one head To Go set includes one ELB 400 with one higher capacity Lithium-Ion battery, one Quadra head and one Skyport Speed Transmitter, while the two head To Go set includes one ELB 400 with two higher capacity Lithium-Ion batteries, two Quadra heads and one Skyport Speed Transmitter. Both To Go sets are available in Pro or Action configurations.





*"IT MAKES AN INCREDIBLE DIFFERENCE IF YOU CAN HAVE COMPLETE FAITH IN YOUR EQUIPMENT. IT TAKES A LOAD OFF OF YOUR MIND AND LETS YOU FOCUS ON YOUR IDEAS."* *Tristan Shu*



## ELB 400 TO GO CONTENT

### ELB 400 - ONE ACTION HEAD TO GO 10412.1

- 1x ELB 400 supplied with Lithium-Ion battery charger, sync cord and shoulder strap - 10279.1
  - 1x Quadra Action head supplied with 2.5 m flash cable, Quadra reflector 13.5 cm and multifunction cap - 20151
  - 1x EL-Skyport transmitter Speed - 19350
- 



### ELB 400 - ONE PRO HEAD TO GO 10413.1

- 1x ELB 400 supplied with Lithium-Ion battery charger, sync cord and shoulder strap - 10279.1
  - 1x Quadra Pro head supplied with 2.5 m flash cable, Quadra reflector 13.5 cm and multifunction cap - 20121
  - 1x EL-Skyport transmitter Speed - 19350
- 



### ELB 400 - TWO ACTION HEADS TO GO 10414.1

- 1x ELB 400 supplied with Lithium-Ion battery charger, sync cord and shoulder strap - 10279.1
  - 2x Quadra Action heads supplied with 2.5 m flash cable, Quadra reflector 13.5 cm and multifunction cap - 20151
  - 1x Spare Lithium-Ion battery - 19295
  - 1x EL-Skyport transmitter Speed - 19350
  - 1x ELB 400 To Go case - 33200
- 



### ELB 400 - TWO PRO HEADS TO GO 10415.1

- 1x ELB 400 supplied with Lithium-Ion battery charger, sync cord and shoulder strap - 10279.1
  - 2x Quadra Pro heads supplied with 2.5 m flash cable, Quadra reflector 13.5 cm and multifunction cap - 20121
  - 1x EL-Skyport transmitter Speed - 19350
  - 1x ELB 400 To Go case - 33200
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**PRO** for the highest flash output and HyperSync - **ACTION** for the very shortest flash durations at high power

## ELB 400 SPECIFICATIONS

Energy (Ws/J)	424
Power distribution	Asymmetrical 2:1
F-stop (1m, 100 ISO, reflector 48") Pro Head	At 100%: 64.5 — At 66%: 45.8 — At 33%: 22.4
Power range f-stop	6.9
Power range Ws	100%: 21 - 424 — 66%: Output A: 14 - 280 — 33%: Output B: 7 - 140
Power range	1/1 – 1/32
Power increments in f-stop	1/10 to 5/10 - 1/1
Flash duration t0.5 at max. power in s.: Pro/Action head	Output A (100%): 1/1200 / 1/2800 — Output B (33%): 1/3000 / 1/5700 Output A+B (100%): 1/1500 / 1/4000
Recycling, FAST in s.	Output A: 0.3 - 1.6 — Output B: 0.17 - 0.7
Recycling, ECO in s.	Output A: 0.5 - 3.5 — Output B: 0.3 - 1.2
Colour temperature in °K at max. power	5500
Auto Power Dumping	Adjusts power settings automatically
Power stability	± 0.5%
Modelling lamp mode	On, off, programmable timer and continuous
Flashes out of one charged battery at min. power, ECO / FAST recycle	6000 / 5500
Flashes out of one charged battery at max. power, ECO / FAST recycle	350 / 350
Battery	Lithium-Ion 14.4 V / 4.1 Ah
Quick charger: approx. recharge time	1h30m
EL-Skyport (Built-in)	Integrated transceiver, 20 Frequency Channels and 4 Groups
Sync voltage	5 V (compatible with all cameras)
Sync socket	3.5 mm Jack
Weight: ELB 400 unit including battery // Battery alone	2 kg // 0.73
Supplied with	Battery, charger, sync cord and shoulder strap
Code number	10279.1

## ABOUT ELINCHROM

Since 1962, Elinchrom has been producing the world's most portable studio flash, drawing from a heritage of more than 50 years of innovation. From entry-level home studio flash to top professional equipment, Elinchrom produce a wide variety of products.

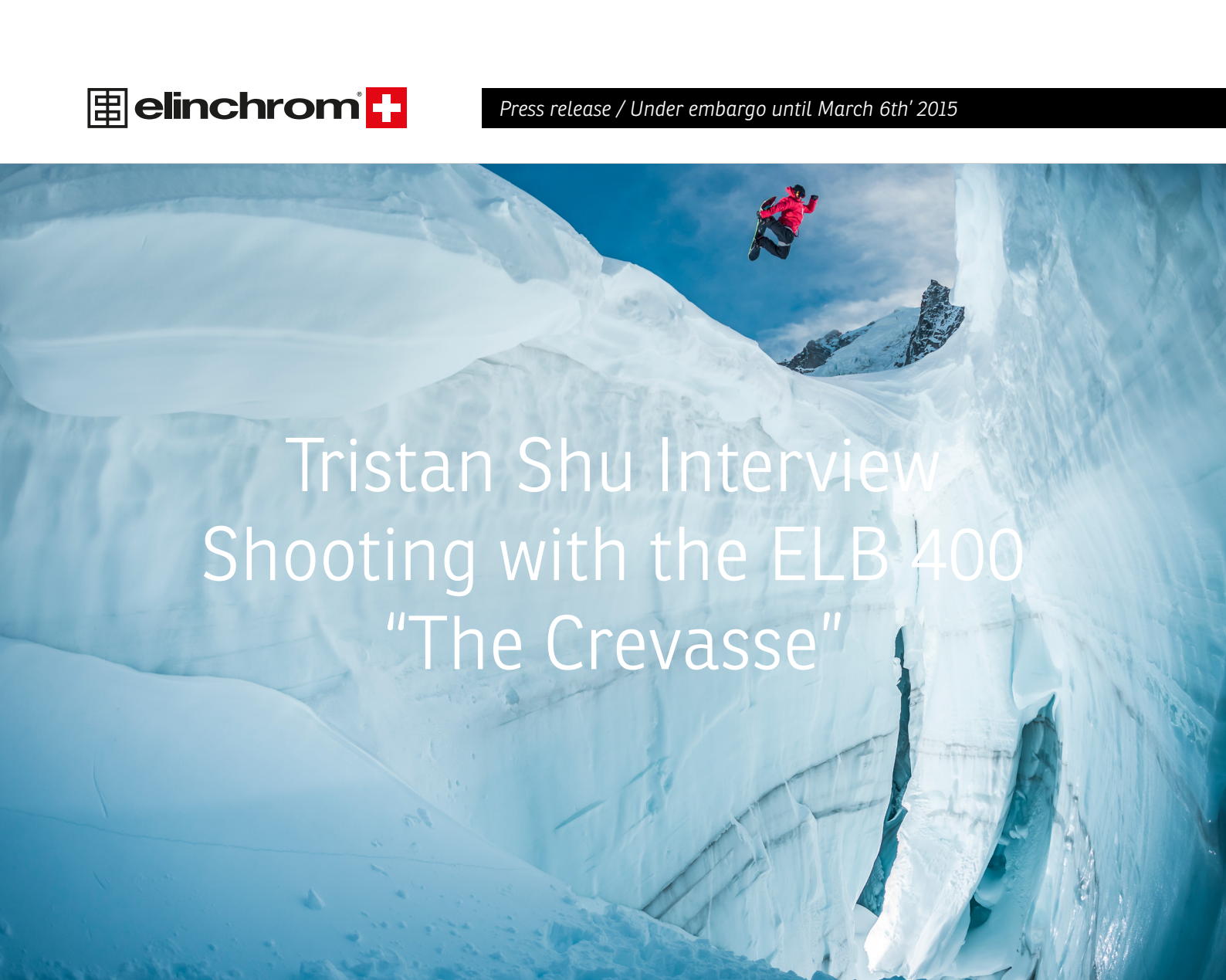
Based in Renens, on the shores of lake Geneva, Switzerland, they continue to innovate with a product range that covers every photographer's needs, from the entry level D-Lite RX One to the full-featured ELC Pro HD and of course the most portable and versatile outdoor flash unit, the new ELB 400.

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## CONTACT

[elinchrom@elinchrom.ch](mailto:elinchrom@elinchrom.ch)



# Tristan Shu Interview Shooting with the ELB 400 "The Crevasse"

**Imagine positioning yourself at the bottom of an icy crevasse with a studio flash system, waiting for skiers to leap above you... That was Tristan Shu's crazy idea. The ELB 400 flash system was part of the winning formula for this exceptional photo shoot.**

*The French extreme sports photographer, Tristan Shu, tells us about his experiences with the new elinchrom portable battery flash system, the ELB 400. Shooting in freezing, dangerous, and snowy conditions, with a seemingly endless series of challenges to overcome, the results speak for themselves: bold and epic.*

**Tristan, tell us about how this crazy idea came to you.**

I actually shot something similar a few years ago. I had gone down into a crevasse and skiers were jumping above me and making shapes. At the time I had shot everything with natural lighting, and I said to myself that it would be cool to redo this shot with flash; the results with the vivid ice would be awesome. But it still took me years before I could pull everything together in the right conditions.



**You could say that the images have a slightly surreal look. What are the conditions you need to achieve a result like that?**

The star of the shot is the crevasse itself. It had to be wide, but not too wide or the skiers wouldn't make it across. It also had to be deep enough to be impressive, but not so deep that the skiers would look too small in the photo. Above all, if the crevasse was too deep it could be a nightmare to manage the flashes and to achieve the lighting effects I wanted. It also had to look good, and be safe enough so that I could go down to the bottom and move around freely. Finally, it had to allow the skiers to get enough momentum to make the jump, and to let them land properly afterwards.

Finding a crevasse that met all these criteria turned out to be hugely complicated. We found a bunch that looked good at first but ultimately let us down. On top of that, we had to cope with a record winter in terms of snow-free days in the Alps, so it was impossible to ski and we had to wait for the right moment to get started.

**Can you give us a technical description of how you managed to complete the shoot?**

I decided to use six flashes: one above each side of the crevasse to light the skiers and the top of the crevasse, three in the crevasse hidden behind blocks of ice, and one behind me to add a bit of fill flash and to brighten the foreground a little. It goes without saying that I took advantage of HyperSync technology to enable me to freeze the action perfectly, and to be as flexible as possible so I could experiment with the ambient light

levels. It wasn't straightforward because I couldn't make too many attempts to set up my lighting. I had to use my imagination, work things out in my head, and get the lighting right from the start. The final result was very close to what I'd imagined and I'm very pleased!

*"Their light weight and portability are huge advantages for this type of project."*

**Can you explain why the elinchrom ELB 400 portable flashes were the right gear to use in this context?**

The mountains are hostile and dangerous at high altitudes: after all we were in a glacial environment with hundreds of meters of ice – and drops – below us. We needed hardware that was strong, reliable, portable, and powerful. The ELB 400s are just perfect in such highly sensitive and complicated conditions.

Their light weight and portability are huge advantages for this type of project. I could probably have completed the shoot with larger flashes like the Ranger RX, but it would have been another logistical challenge on top of everything else. We would have needed a lot more time, and a lot more people, just to achieve the same result. You need to bear in mind that we had six ELB 400s and the same number of tripods and remotes with us. We could carry all that in three backpacks, which is just incredible. In terms of usability, the fact that these flashes are so capable means that they're intuitive, fun and easy to use.



All the information is on the screen and easy to read; even someone who's not used to operating a flash can manage it in a few seconds. That's how I managed to get one of the guides to move a flash for me and change the settings while I was at the bottom of the crevasse and couldn't see anything. I didn't realize that the ergonomic changes between the previous generation of Quadras and the ELB could make such a difference for everyday use. It really proved to be essential.

The build quality is another very important point. It was cold and it was a very hostile environment, with the cold and the ice, snow, wind and humidity. The ELBs were in the snow throughout the shoot and there wasn't a single trigger problem. For me, that was clearly the critical test and they passed with flying colors!

After the shoot, the ELBs even stayed in the backpacks that were full of snow powder for more than 24 hours and again, there was nothing to report: everything worked perfectly.

It makes an incredible difference when you have complete faith in your equipment. It takes a load off of your mind and lets you focus on your ideas. Above all, it lets you deal with the problems you have to solve. Elinchrom is extremely reliable equipment: it's Swiss, and you know it's going to work.

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