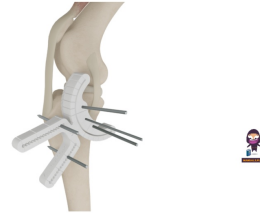


OssAbility TPLO Surgical Technique



OssAbility TPLO Surgical Technique User Guide

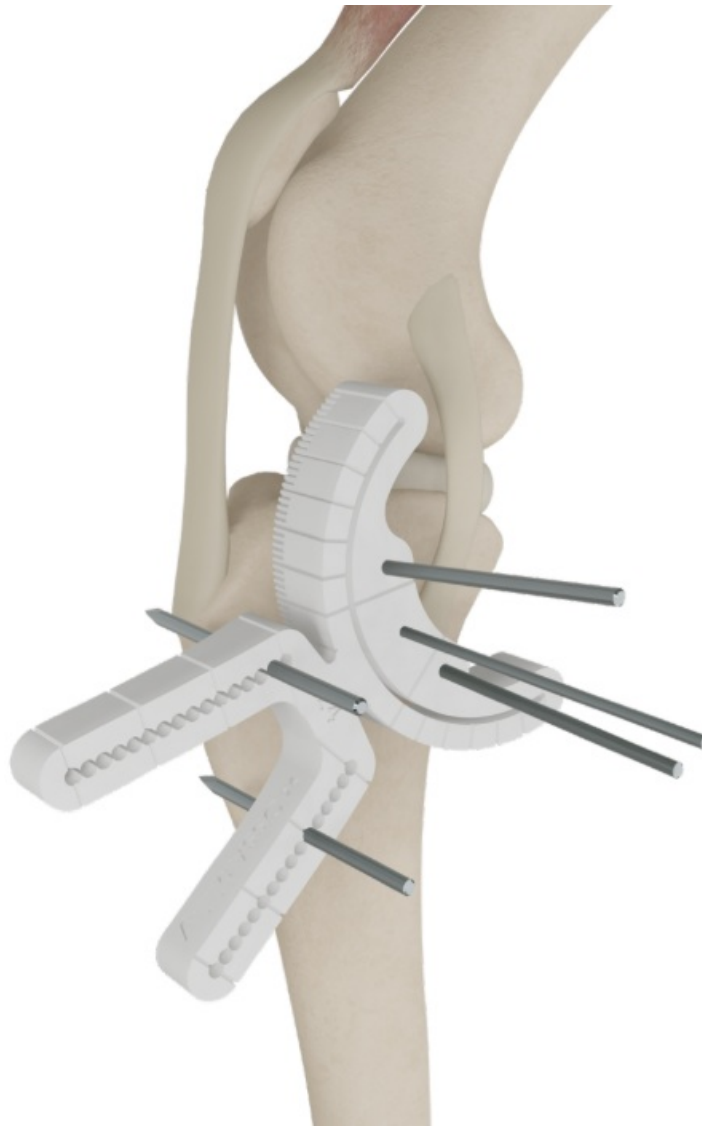
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OssAbility TPLO Surgical Technique



Specifications

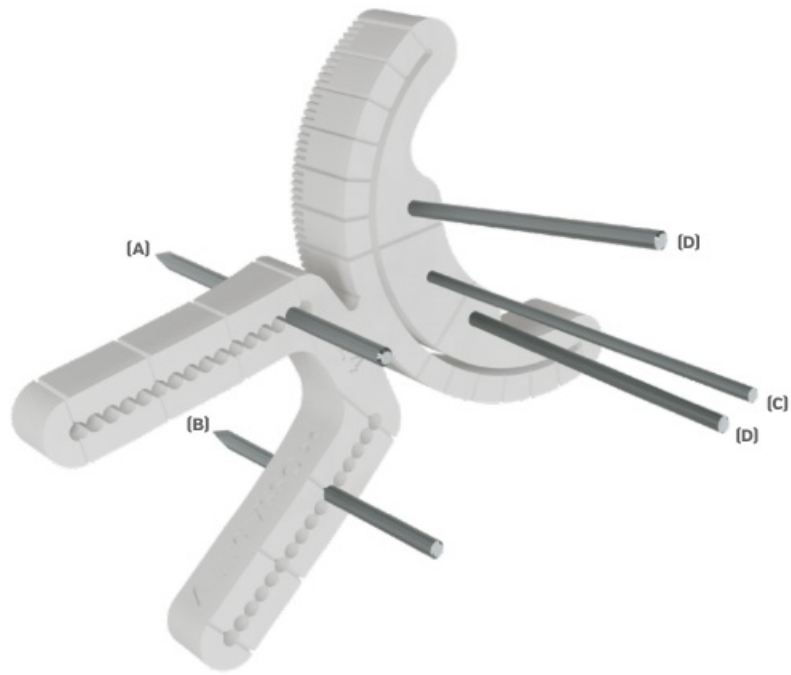
- **Product Name:** Guided TPLO
- **Intended Use:** Treatment of cranial cruciate ligament (CCL) disease by tibial plateau levelling osteotomy
- **Components:** Osteotomy Guide, TPLO plate, locking screws
- **Manufacturer:** OssAbility

INSTALLATION INSTRUCTION

Step 1

Configure the TPLO Guide according to the pre-op plan

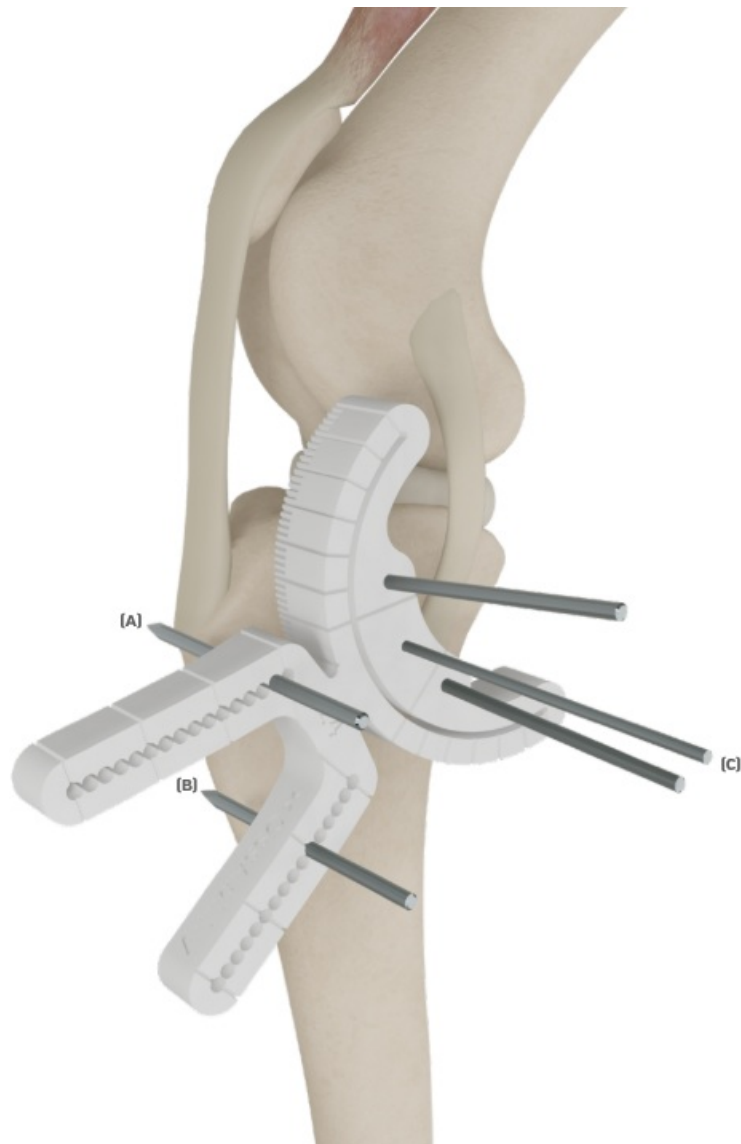
- Insert a 2.0 mm single-trocar pin through each of the positioning arms at the predetermined positions (A & B) and extend by 30 mm.
- Insert a 1.5 mm single-trocar pin through the central pinhole (C) and extend by 10 mm.
- Insert a 2.0 mm single-trocar pin through each oblique locking pin hole and leave flush with the underside of the Guide (D).



Step 2

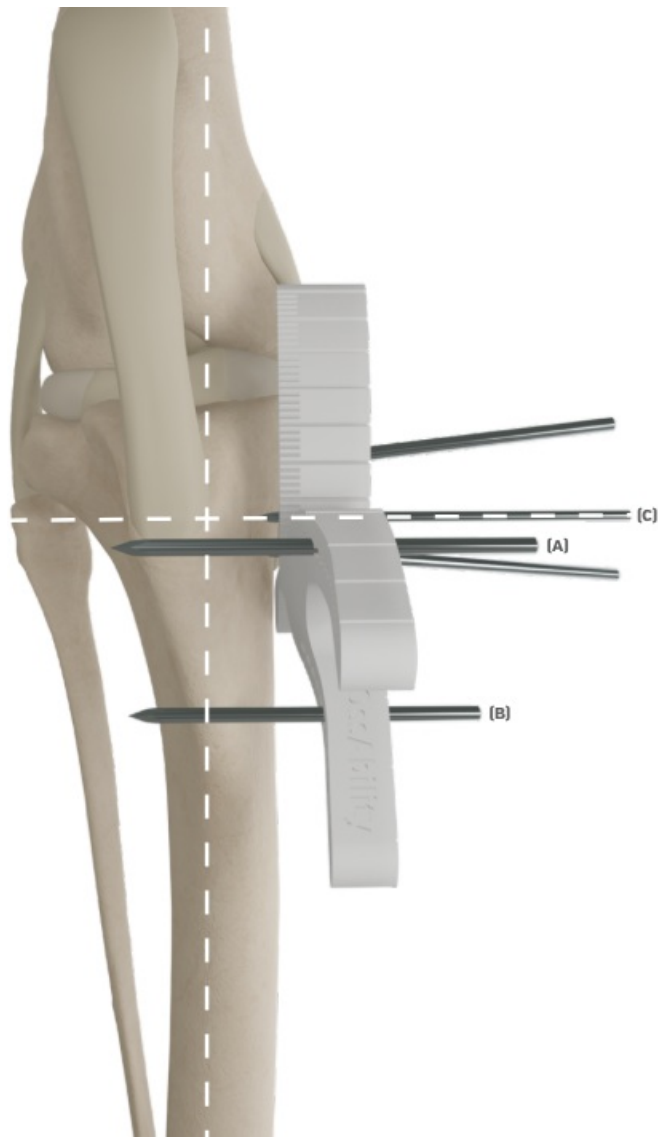
Apply the TPLO Guide to the patient according to the pre-op plan

- Score a reference line across the intended osteotomy, extending from the crest to the MCL.
- Identify and mark the patellar tendon insertion.
- Align the proximal positioning pin (A) to the mark. Ensure both positioning pins (A & B) are in contact with the bone.
- Place the central pin (C) on the bone.
- Hold the Guide by the central pin and check the positioning pins are still in contact with the bone.



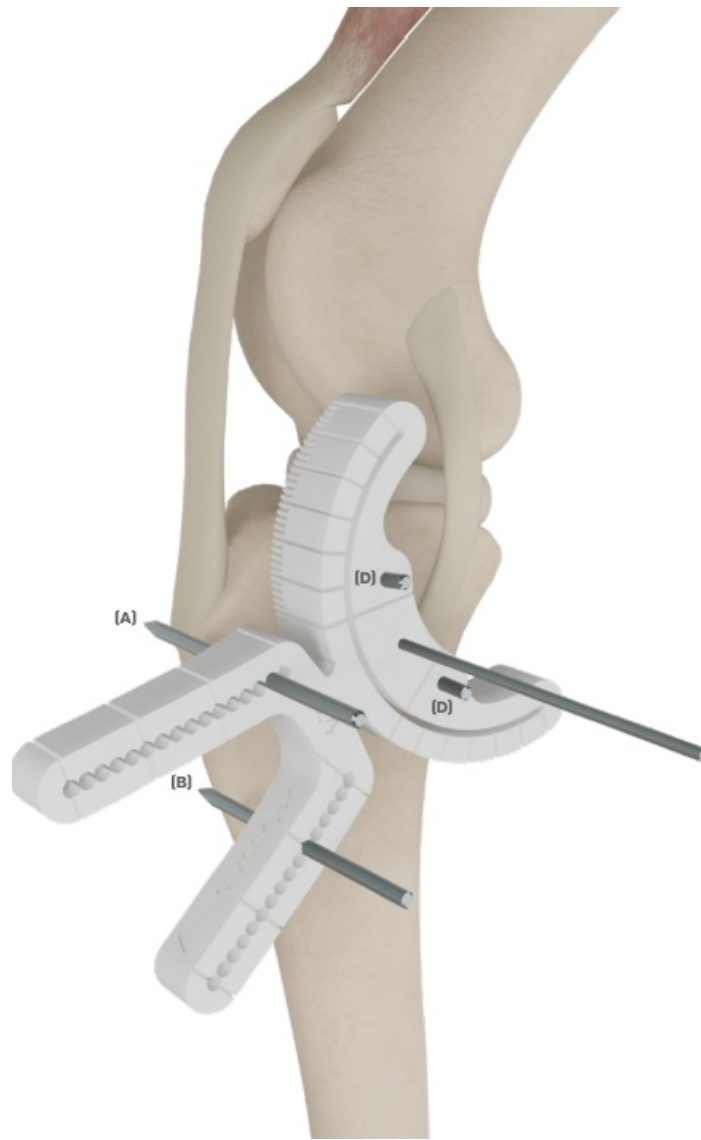
Step 3: Drill the central pin

- Check that the central pin (C) is perpendicular to the plane of stifle motion.
- Apply gentle pressure to the Guide and positioning pins (A & B) to maintain contact with the bone.
- Drill the central pin unicortically.
- Press the Guide onto the bone.
- Check that the central pin is perpendicular to the plane of stifle motion.



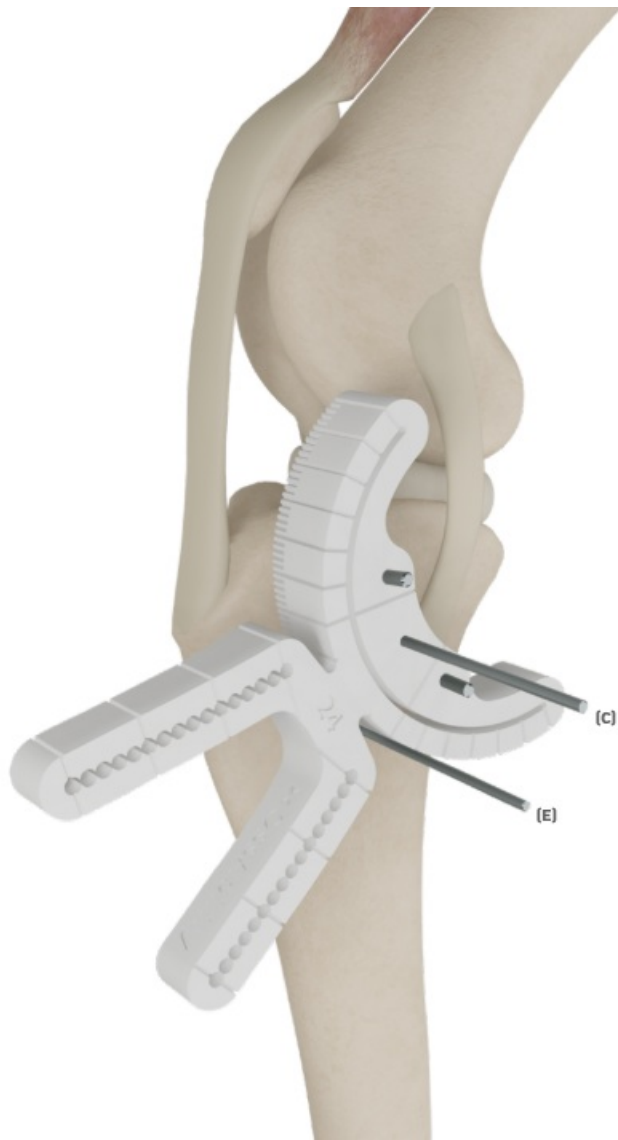
Step 4: Drill the oblique locking pins

- Check the positioning pins (A & B) are in contact with the bone.
- Drill the oblique locking pins (D) bicortically.
- Trim the oblique locking pins to 5 mm.



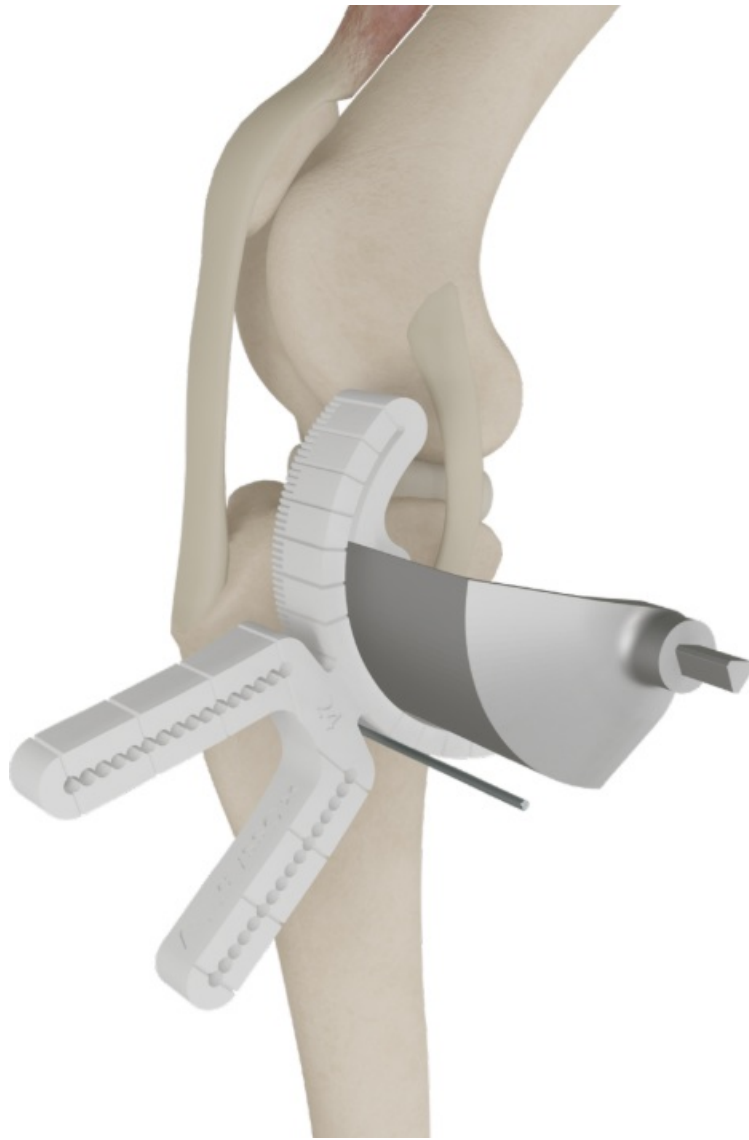
Step 5: Drill the stop pin

- Remove the positioning pins.
- Drill a 1.5 mm single-trocar stop pin bicortically at the planned rotation (E). Ensure the stop pin is parallel to the central pin (C) and is in contact with the Guide.



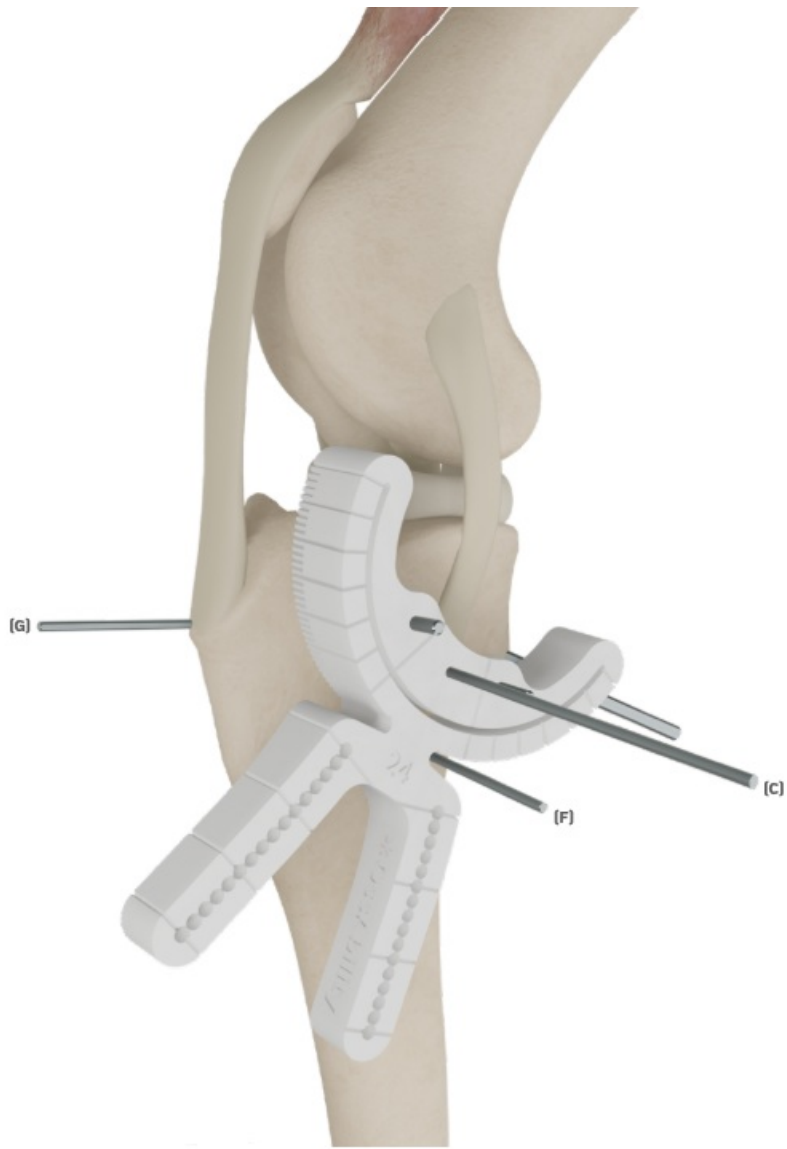
Step 6: Perform the osteotomy

- Protect the patellar tendon using a Senn retractor.
- Perform the osteotomy using a crescentic saw. Use copious saline lavage. Maintain blade alignment with the Guide. Ensure the saw blade does not extend beyond the bone.



Step 7: Rotate the proximal segment

- Replace the central pin (C).
- Rotate the proximal segment using the Guide until the Guide contacts the stop pin (E).
- If required, use a 3.2 mm rotator pin to assist with rotation. Drill unicortically into the caudomedial cortex of the proximal segment, proximal to the locking pins (F).
- Drill a 1.0—2.0 mm anti-rotation pin (G) bicortically through the crest and proximal segment, immediately proximal to the patellar tendon insertion.



Step 8: Check stifle stability

- Check the central pin (C) is parallel to the stop pin (E) and perpendicular to the plane of stifle motion.
- Check limb alignment.
- Check for cranial tibial thrust. If required, withdraw the anti-rotation pin (G) and increase rotation until resolved. Replace the anti-rotation pin.



Step 9: Remove the TPLO Guide

- Remove the rotation pin, central pin and stop pin. Remove the oblique locking pins.
- Remove the Guide.
- Compress the construct with pointed reduction forceps.



Step 10: Place the plate according to the pre-op plan

- Position the plate on the tibia according to the pre-op plan.
- Check the proximal screws are centred on the proximal segment.
- Check the distal screws are centred on the diaphysis.
- Drill and place the screws according to the specific plate selection.



Step 11: Compare the completed construct to the pre-op plan

- Check the plate placement.
- Remove the anti-rotation pin.
- Perform post-op radiographs.
- Check post-op tibial plateau angle.

Contact information

- **OssAbility Limited**
- **Website** www.ossability.com
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Decision Support support.ossability.com
Guided TPLO Surgical Technique Version 2.

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FAQ

- **Q: What is the intended use of the Guided TPLO system?**

- A: The system is intended for the treatment of cranial cruciate ligament (CCL) disease by tibial plateau levelling osteotomy.

- **Q: How can I access Decision Support for the Guided TPLO system?**

- A: You can access Decision Support at support.ossability.com for product information, application methods, and potential risks related to treatment.

Documents / Resources

	OssAbility TPLO Surgical Technique [pdf] User Guide TPLO Surgical Technique, Surgical Technique, Technique
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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