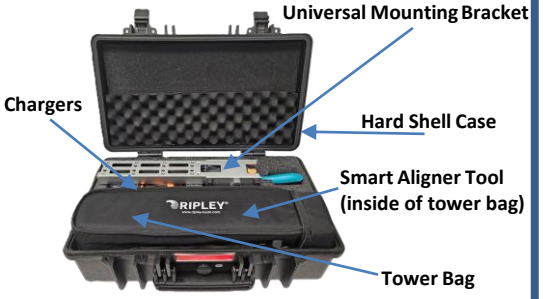
Smart Aligner FX QUICK GUIDE

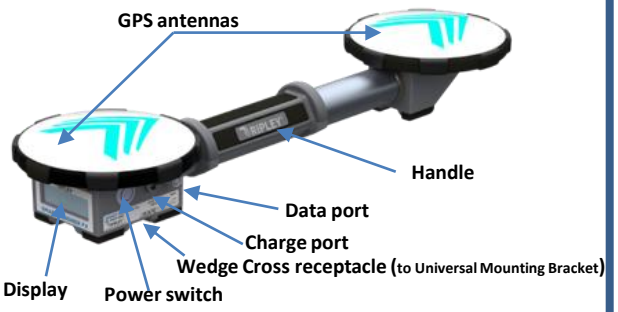
Before starting, ***DOWNLOAD*** *the* ***Smart Aligner App*** *to your iPhone or Android phone. The iOS App and Android App have some operational differences such as swiping vs holding. This guide will show the user how to carry out an antenna alignment from start to finish for a standard sector antenna.*

Main Components

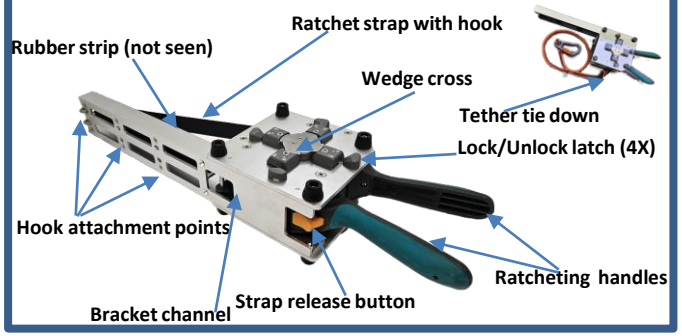
1 What's in the box?



2 Smart Aligner FX Tool



3 Universal Mounting Bracket



Performing an Antenna Alignment

4 Attach the Bracket to the Antenna

1. Tether the Universal Mounting Bracket.

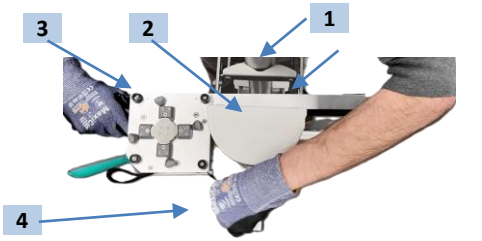
2. Place the Universal Mounting Bracket on the backplane of the antenna, holding the handle to keep it in position.

3. Press and hold the orange strap release button with your thumb.

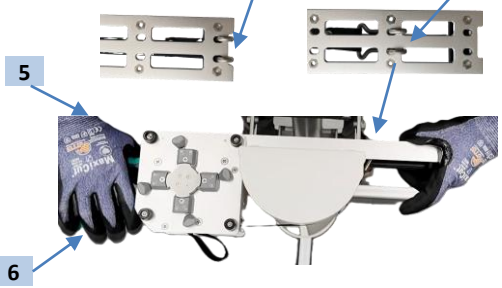
4. With your other hand, pull the strap and hook it to the appropriate Hook attachment point. Use the first for wide antennas and the others for small ones.

5. Release the orange *Strap Release* button but still hold the *Bracket*

6. Squeeze the *Ratcheting Handles* until the *Bracket* is snug to the antenna



Hook attachment point 1 Hook attachment point 2



5 Attach the Tool to the Bracket

7. Tether the Smart Aligner Tool to a convenient anchor point.

8. Verify that the Wedge cross lever is in the Unlock position.

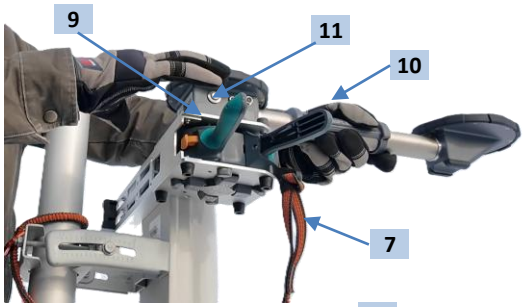
9. Position the Tool Wedge Cross receptacle above the Bracket Wedge cross and fasten.

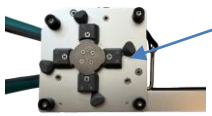
10. Hold the Tool and use your other hand to slide the latch left to the Lock position, securing it tightly to the bracket.

11. Turn the Tool on by pressing the Power Switch.

12. The Azimuth solution will be displayed within a minute or less.

Other display screens are available. See SETTINGS→Tool Settings→Display Format.





6 Using the Smart Aligner App to create a report

13. Ensure that either WiFi or Bluetooth are enabled on your mobile device. Launch the Smart Aligner App.

14. Navigate to SETTINGS
Uncheck Simulation Mode
Set to Bluetooth (BT) or WiFi
In this example we are setting it to BT

15. Go back to the main screen and click QUICK MEASURE
In this example the Tool (S/N FX-9998) is connected to the App on Bluetooth. For the first time connection you may need to Tap on the BT icon and select the device

16. Navigate to SITE SURVEY
Tap the + icon to create a New Site. Enter the Site Name (Test) then tap OK. Tap on the Site (Test) and you will be in the Antenna Details screen.

17. Tap the + icon to add a new antenna. Complete all required antenna configuration fields. Scroll down to view all the fields. Tap on Align in the bottom corner of the screen.

18. This will take you to the Align Antenna screen.
This is a real time measurement of the antenna alignment.
(Tap the Tool mounting icon if the Tool isn't facing the same direction of the antenna. This will correct the azimuth to match the antenna direction)
Tap **VERIFY**.
The alignment will now be verified.
RE-ALIGN or ACCEPT will be displayed.

19. The **Measurement Results** have now been saved. At this point the user can take Photos. Typical photos taken are a Line of Sight (LOS), User Screen, Tool/Bracket/Antenna image and other images.
Tap Photos in the bottom left corner.

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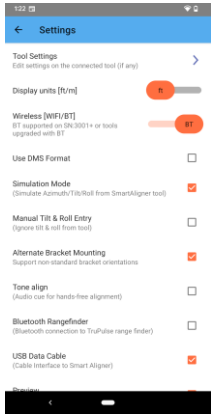

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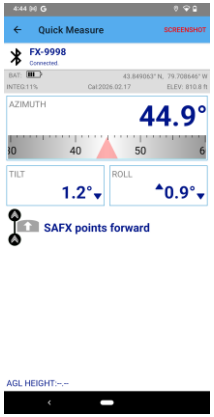

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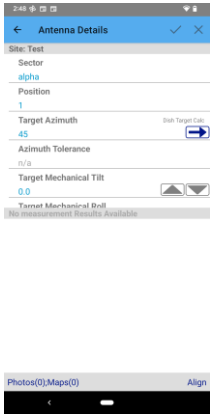

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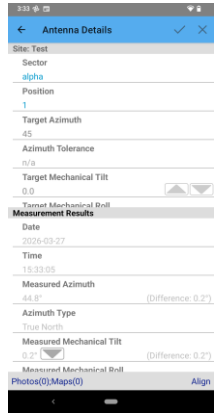

20. You will be taken to the Photos screen. Tap the camera icon to enable your device's camera and capture the required images. If a Line of Sight (LOS) image is required add a crosshair to designate it as the LOS image (Android only). You can also tap the map icon (Android only) to insert a site map with an alignment arrow. Up to ten images can be added (see Settings).

21. Tap the back icon to return to Antenna list screen. See Report screen (bottom right)

22. Tap Report then Select All (or choose items) and Preview All

23. Tap the Share icon (top right) to share.

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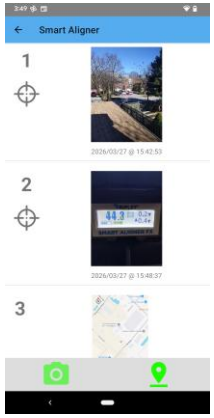

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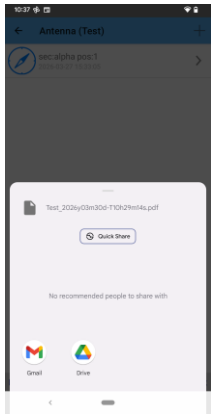

7 Field Calibration

24. You will need a flat surface. **NOTE**: Surface does not need to be level.

25. Use the App and navigate to SETTINGS → Tool Settings

26. You will see Tilt & Roll Calibration – TAP START

27. You will see displayed Set position 1 READY 1

28. Place the Tool on the surface and line it up along the edge.

29. Tap READY 1

30. You will see displayed Set position 2 READY 2

31. Rotate the Tool 180° and line it up along the edge

32. Tap READY 2

33. You will see displayed 2026.05.06 START

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The Tool is now calibrated, and the calibration date will appear on the Report. Recalibration can be performed at any time and is recommended after heavy impact or at intervals specified by the Carrier or contractor.