

# QUICK START GUIDE – A-Frame Fault Finder

This guide provides the most basic procedures for using the RD7100 or RD8100 Locator with the accessory A-Frame Fault Finder. Additional information on utility locating, fault finding and equipment operation is found in the User Guide and Operations Manual.

It is always recommended to **Disconnect the Cable on Both Ends and Mark Out the Cable Path Prior to Fault Finding.**

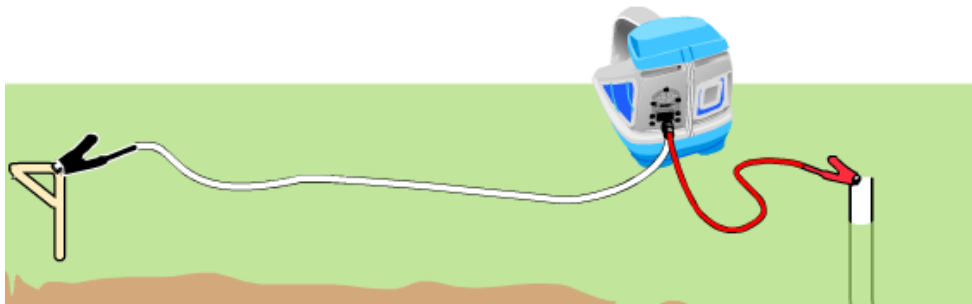
## Transmitter – Setup



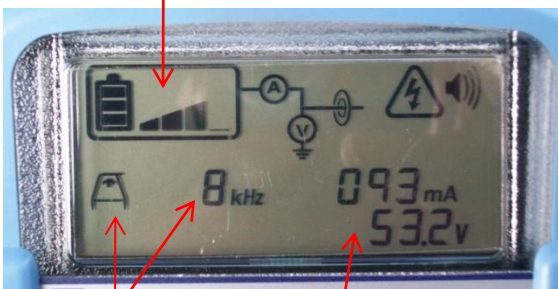
Plug red & black leads into connection socket on transmitter.

### Connecting the Transmitter:

- Ensure the transmitter is switched off and the cable sheath is isolated at both ends
- Push the connector plug into the transmitter accessory socket
- Clip the red connection lead to the cable or cable sheath ensuring that the area around the connection is clean
- Extend the black connection lead as far as possible and at 90° to the probable route of the target cable and clip the connector to the ground stake



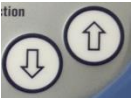


Power Bars



Fault Find Mode and Frequency

Output


- Turn on transmitter by pushing  button.
- Set frequency to Fault Find and 8K, pushing  button.
- Set power to 3 bars by pushing  buttons.
- Display shows output current in mA and Voltage applied by transmitter.

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## Receiver – Setup



- Turn on receiver by pushing  button.
- Plug Accessory A-Frame into Receiver as shown. Receiver will recognize the A-Frame and automatically set to 8KFF mode.
- Make sure that the Receiver **Screen faces the Green** A-Frame probe as shown.

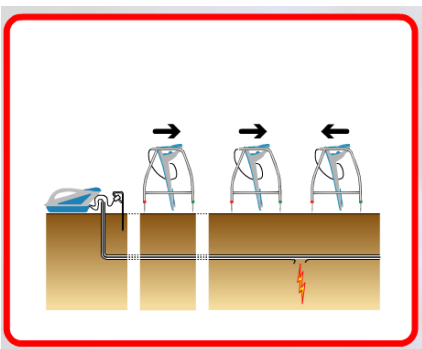
*Receiver can be mounted in the A-Frame as shown or held separately. However maintain the orientation of **Screen faces the Green**.*




Starting from the transmitter connection to the faulted line:

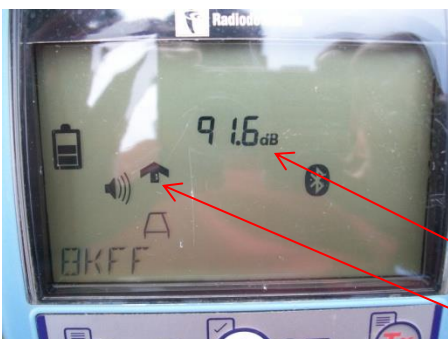
- Walk along the cable route pushing the spikes into the ground with the green spike facing away from the transmitter.
- Take readings approximately every 5 paces.

*Where there are no faults, the dB reading will be low and the direction arrow may flicker forward and back.*



- As the fault is approached, the Fault Find arrows will lock on to the signal and point forward and the dB readings will increase.
- When the fault is passed, the arrow will point back toward the fault.
- Pinpoint the fault by taking readings at closer intervals to determine the location at which the arrow direction reverses.
- The dB reading will be higher leading to and from the fault but will drop when the A-Frame is directly over the fault.

*To locate the cable and determine depth, unplug the A-Frame cable and switch the receiver to the locate mode by pressing the  key and select 8kHz.*



Fault Find dB Reading

Fault Find Direction Arrow