

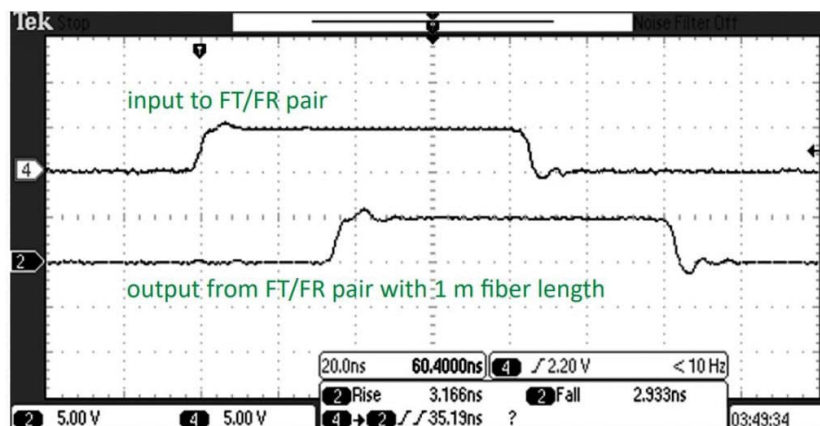


# EAGLE HARBOR TECHNOLOGIES

## FT1/FR1 Quickstart Guide

Thank you for purchasing an fiber transmitter/receiver single channel unit. EHT's fiber products are robust and reliable; with a few simple precautions they will prove to be tremendously useful for your laboratory/industrial control and signaling needs.

1. The FT1 BNC-to-fiber transmitter unit can be driven with a maximum voltage of 5.5 V DC at the input; it is internally 50  $\Omega$  terminated.
2. The FR1 fiber-to-BNC receiver unit must be terminated into 50  $\Omega$  for clean high speed TTL signals.
3. When preparing 2.2 mm jacketed plastic fiber (we use ESKA SH-4001), be certain to make the end cuts with a razor knife. This provides a much cleaner cut than using cutters, scissors, etc.
4. Be sure that the fiber is fully seated into the barrel of the receiver or transmitter. Loosen the ferrule, insert the fiber until it bottoms out in the receiver or transmitter body, then finger tighten the ferrule. Overtightening is not required as the grip strength of the ferrule on the fiber is significant.



Should an FR/FT unit fail due to a manufacturing defect, we will replace it up to one year from the date of purchase. For questions about operation or troubleshooting assistance, please contact [info@eagleharbortech.com](mailto:info@eagleharbortech.com)