



RD Instruments
Acoustic Doppler Solutions

Field Service Bulletin

FSB-137

Waves Mode and the TF Command

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Abstract

Self-Contained ADCPs using the Waves feature upgrade may not wake-up when deployed.

Instrument/Program Affected

Workhorse Monitor/Sentinel with firmware revision 16.20 and the Waves feature upgrade

Description

The TF command (time of first ping) was modified during the introduction of new features to the WorkHorse firmware. The Waves firmware has an un-initialized variable as a result of the modification that can cause the instrument to NEVER WAKE-UP FOR ITS DEPLOYMENT.

This problem ONLY affects Wave deployments.

Solution/Action

Short-Term Solution

Do not include a Time of First Ping command (i.e. TF or TG commands) in your command file. Verify the ADCP is pinging (listen for the beep) before placing it in the water. Once the ADCP is pinging it will operate just fine.

Long-Term Solution

Upgrade all ADCPs with the Waves feature upgrade and 16.20 firmware to version 16.21 firmware. RD Instruments apologizes for any inconvenience this upgrade may have caused.