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Echologger.dll Dual Frequency Support

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The D24 series EchoLogger echosounders manufactured by EofE Ultrasonics Co., Ltd. have received a firmware update that enables support of two frequencies at once. In turn, HYPACK has updated its Echologger.dll code and interface to enable the logging of both frequencies.

There is now a selectable dual mode for supported devices, and the ability to change settings for both frequencies at the same time. The supported output modes have also been expanded to include all available output modes for both the D24 and the 400 series devices.

The screenshot shows the 'Echologger-COM14:115200,n,8,1' window. The 'Frequency' section has three radio buttons: '450kHz', '200kHz', and 'Dual' (which is selected). Below these are two columns of settings for 'Low Frequency' and 'High Frequency'. The 'Transmitter' section includes 'Range, m' (10), 'Interval, sec' (0.01), 'Tx Length, μs' (100 and 50), and 'Tx Power, dB' (0). The 'Receiver' section includes 'Gain, dB' (0), 'TVG spread coef.' (15), 'TVG absorb, dB/m' (0.08 and 0.14), and 'Attenuator, μs' (0). The 'Altimeter' section includes 'Deadzone, mm' (300 and 200), 'Threshold, %' (10), 'Offset, mm' (0), and 'Sound speed, m/s' (1500). The 'Output' section has a dropdown menu set to 'Echo Bin 8bit/compand' and an 'Apply' button. At the bottom, a status bar shows 'Depth 1: 0.000 m Depth 2: 0.000 m Pitch: 0 Roll: -11'.