

<b>PRIORITY</b>	
<input type="checkbox"/> Mandatory	<input checked="" type="checkbox"/> As Required
<input type="checkbox"/> Next Visit	<input type="checkbox"/> At Installation
<input type="checkbox"/> Information	

## FIELD SERVICE BULLETIN

<b>DATE ISSUED:</b>	<b>01/03/2007</b>	<b>NUMBER: 495</b>
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### Update on Field Upgrade of Chameleon Ultra Software

**PRODUCT** All 80 MHz Chameleon Series Lasers (Ultra, Ultra II, and XR-80)

**PURPOSE** To inform Field Service Engineers, Representatives, and Coherent Subsidiaries of reliability issues when using either RS-232 or the JTAG interface to upgrade Chameleon software, and the availability of ordering preprogrammed Head and Verdi Interface PCBAs.

**DESCRIPTION** For updating the software for the Chameleon Head Board and Verdi Interface Board, it has been discovered that neither the RS-232 nor JTAG interface can be used with 100% reliability. It appears that the RS-232 interface may be less problematic, but there is still a small but significant risk that the system could hang mid-download leaving the system unusable. The JTAG wiggler cable is not to be used. This FSB supercedes comments in FSB 493 dated Nov 6, 2006, about only using the JTAG wiggler cable.

**ACTION** When a software upgrade is required, this should be done via the RS232 interface, however it is essential to have a Chameleon Head Board and Verdi Interface Board readily available that are preprogrammed with the latest software version.

**PARTS** The following PCBAs are supplied preprogrammed with the most recent software version.

1117719 FRU, PCBA, Head Board, Chameleon Ultra (RoHS), Rev AB  
1117724 FRU, TESTED, Verdi Interface Board, Chameleon Ultra (RoHS), Rev AB

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