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<input type="checkbox"/> Mandatory	<input checked="" type="checkbox"/> As Required
<input type="checkbox"/> Next Visit	<input type="checkbox"/> At Installation
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FIELD SERVICE BULLETIN

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Release of Chameleon Software Version 7.92

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

PURPOSE To inform Field Service Engineers, Representatives, and Coherent Subsidiaries of the release of software version 7.92 for the Chameleon systems listed above.

DESCRIPTION

Changes specific to software version 7.92

Corrects Head Board revision reading. A small number of Chameleon Head boards were shipped with incorrect revision identification resistors. This caused the software to incorrectly read the revision number as "ND" and set an incorrect DAC communication setting. Version 7.92 corrects this fault and allocates the correct DAC communication for these circuit boards.

Corrects the occasional incorrect Verdi power during start up.

Changes for the front panel display to ensure proper operation with the new RoHS compliant LCD displays used in the power supplies.

ACTION

Current Upgrade Recommendation

An upgrade for lasers in the field is not needed unless the new software addresses a specific issue or has a desired new feature.

If updating from software older than version 7.90 or 7.91, please refer to FSB 493 (Release of Chameleon Software Version 7.91), dated 11/6/2006, for changes or issues specific to versions 7.90 or 7.91.

Upgrade Procedure

EEPROM boot loader software “Chameleon PC” must be version 1.14 or later. Older versions of Chameleon PC are unable to read the EEPROM data structure supported by Chameleon software version 7.91 and later.

To upgrade the software, first save a copy of the Verdi and Chameleon EEPROM contents. After the software upgrade the Chameleon EEPROM data file should be reloaded using the latest Chameleon PC program.

Refer to the current procedure SVC-CHAM-5.4 for instructions on how to do the software upgrade using the RS-232 interface.

Please note that FSB 495 (Field Upgrade of Chameleon Software) supercedes the use of the JTAG wiggler cable by allowing software download using RS-232. Also, that it is essential to have preprogrammed Chameleon Head and Verdi Interface Boards readily available; the required boards are listed below.

The following files are required for this upgrade:

ChamHeadv792.s
ChamInterface_v7_92.s

The following files are distributed with this FSB:

Chameleon Software Version 7_92.zip (contains the above two files)
Chameleon PC 1_14.zip
SVC-CHAM-5.4 Rev 4.pdf (preliminary version of Service manual section)

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

PSE Doug Hey