# *K2 Media Client*
# *Field Kit Upgrade Instructions*

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# Grass Valley Product Support

To get technical assistance, check on the status of problems, or report new problems, contact Grass Valley Product Support via e-mail, the Web, or by phone or fax.

## Web Technical Support

To access support information on the Web, visit the product support Web page on the Grass Valley Web site. You can download software or find solutions to problems by searching our Frequently Asked Questions (FAQ) database.

**World Wide Web:** http://www.thomsongrassvalley.com/support/
**Technical Support E-mail Address:** gvgtechsupport@thomson.net.

## Phone Support

Use the following information to contact product support by phone during business hours. Afterhours phone support is available for warranty and contract customers.

| | | | |
|---|---|---|---|
| United States | (800) 547-8949 (Toll Free) | France | +33 (1) 34 20 77 77 |
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| Southern Europe | +33 (1) 34 20 77 77 | Hong Kong | +852 2531 3058 |
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## Authorized Support Representative

A local authorized support representative may be available in your country. To locate the support representative for your country, visit the product support Web page on the Grass Valley Web site.

# About this document

Use these installation instructions to upgrade your K2 Media Client. Refer to the section in this document that applies to the upgrade kit that you received.

# Safety Summaries

⚠ ***WARNING: In order to avoid personal injury and prevent damage to this product and its peripheral products, be sure to review all safety and ESD precautions listed in the K2 Media Client System Guide.***

# Installing a mezzanine board upgrade

The following mezzanine board upgrades are available for HD/SD models of the K2 Media Client.

| Upgrade Nomenclature | Description |
|---|---|
| K2-HD-01-FK | Adds one decoder mezzanine board to a HD/SD model K2 Media Client. For a K2 Media Client model with two or three channels, this adds one playout channel. |
| K2-HD-10-FK | Adds one encoder mezzanine board to a HD/SD model K2 Media Client. For a K2 Media Client model with two or three channels, this adds one record channel. |

Tools and materials needed:

- Torx tool with T15 magnetic tip.

- Upgrade mezzanine board and four attachment screws.

⚠ ***CAUTION: This system contains board-level components that must be protected from static discharge and physical shock. Wear a wrist strap grounded through one of the system's ESD Ground jacks when handling system components.***

To install the Codec upgrade:

1. Make a record of the settings in Configuration Manager for your current channels. Because the mezzanine board upgrade process rewrites configuration files, all channel settings are reset to their default values. Therefore, at the end of the upgrade process you must reconfigure your channels.

2. Shutdown the K2 Media Client

3. Remove both power cords from power supplies.

⚠ ***CAUTION: To avoid possible damage to circuit boards and other sensitive parts, turn off the K2 Media Client and disconnect AC power before opening the top cover or removing any internal parts.***

4. Remove the top cover as illustrated:

**①** **Remove screw**   **②** **Pull cover toward rear 2 cm to release, then lift off**
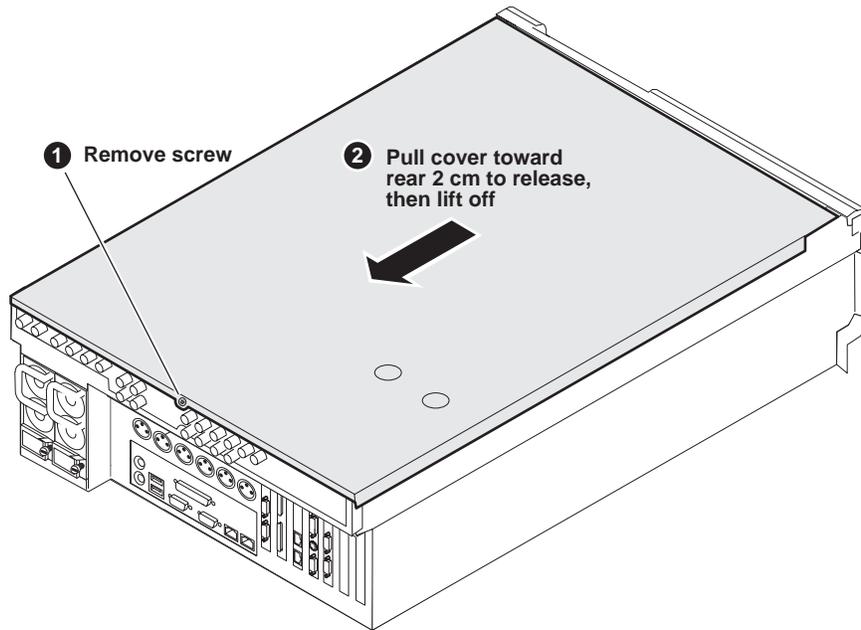
5. Remove the codec board as illustrated.

**①** **Disconnect power cables**

**②** **Remove six screws***

**③** **Disengage from RTP board**

**④** **Lift board gently from chassis, then reach under and disconnect XLR board cable**

**\* Do not remove any of the mezzanine board screws.**
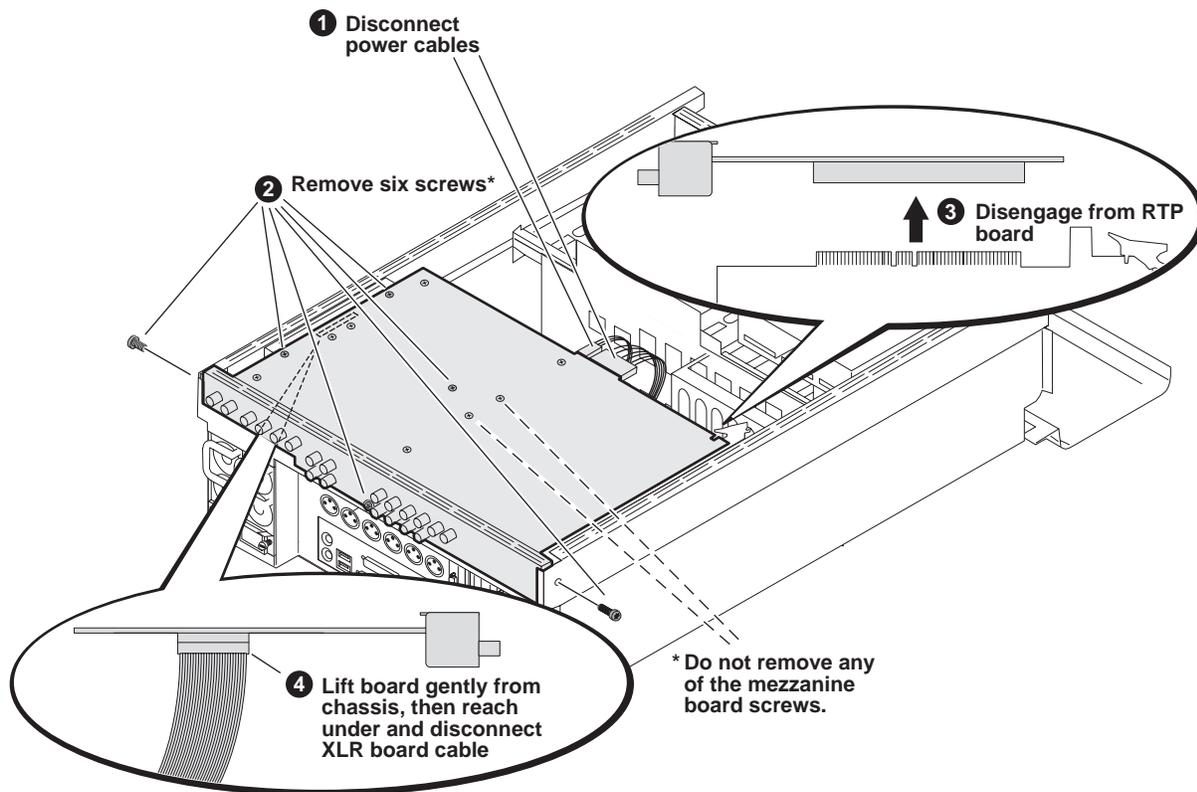
A mezzanine board is attached by four screws, which are accessed from the top side of the codec board. Do not remove these screws while removing the codec board.

6. Identify the position of a mezzanine board currently installed, as illustrated.

**1** Flip the codec board
over so the mezzanine
board is on top.

**2** Identify mezzanine
board positions

P3/R2 position

BNC connectors

P4/R1 position
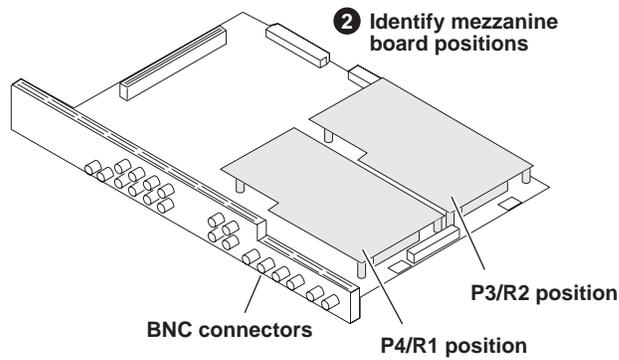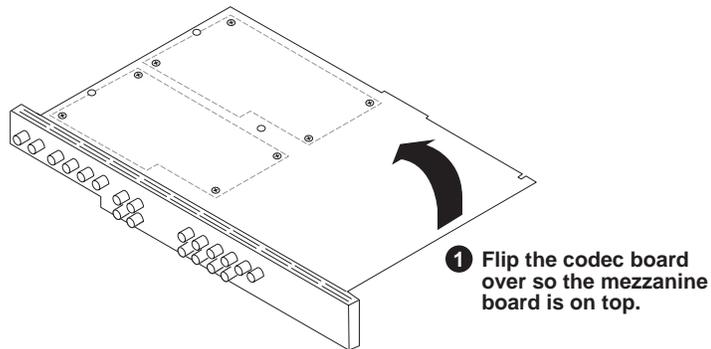
Each position could have either a decoder mezzanine board or an encoder
mezzanine board, according to the current channel configuration, as follows:

| If the system has the following channels… | | Mezzanine boards are positioned as follows: | |
| --- | --- | --- | --- |
| Record Channels | Play Channels | Position P3/R2 | Position P4/R1 |
| 0 | 2 | Empty | Empty |
| 0 | 3 | Decoder | Empty |
| 0 | 4 | Decoder | Decoder |
| 1 | 2 | Empty | Encoder |
| 1 | 3 | Decoder | Encoder |
| 2 | 2 | Encoder | Encoder |

7. Verify if a currently installed mezzanine board is a decoder or an encoder. Likewise verify if the upgrade mezzanine board you are about to install is a decoder or an encoder. Refer to the following illustration:



**GRASS VALLEY**

**HD/SD ENCODER**

**HD DECODER MEZZANINE GRASS VALLEY**
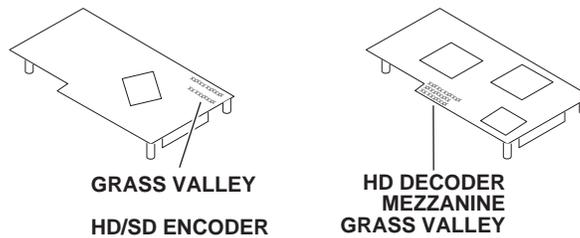
8. Make sure that you have the correct mezzanine board (decoder or encoder) for your intended upgrade. Also make sure you are installing it in the correct position. Refer to the previous steps for information on the mezzanine board positions for the current and target channel configuration. In some cases you need to remove a currently installed board to create the correct target channel configuration.

*NOTE: Installing the upgrade mezzanine board in the wrong position will render the K2 Media Client inoperable.*

9. Install the upgrade mezzanine board. Refer to the following illustration:

**❶ Engage connectors at both ends of mezzanine board.**

**If installing in P4/R1 position**

**If installing in P3/R2 position**

**Provide support under the codec board when seating connectors.**

**Make sure both connectors are fully seated.**

**❷ Flip the codec board over**

**❸ Install the four screws attaching the upgrade mezzanine board**

**Screws for P3/R2 mezzanine board**

**Screws for P4/R1 mezzanine board**
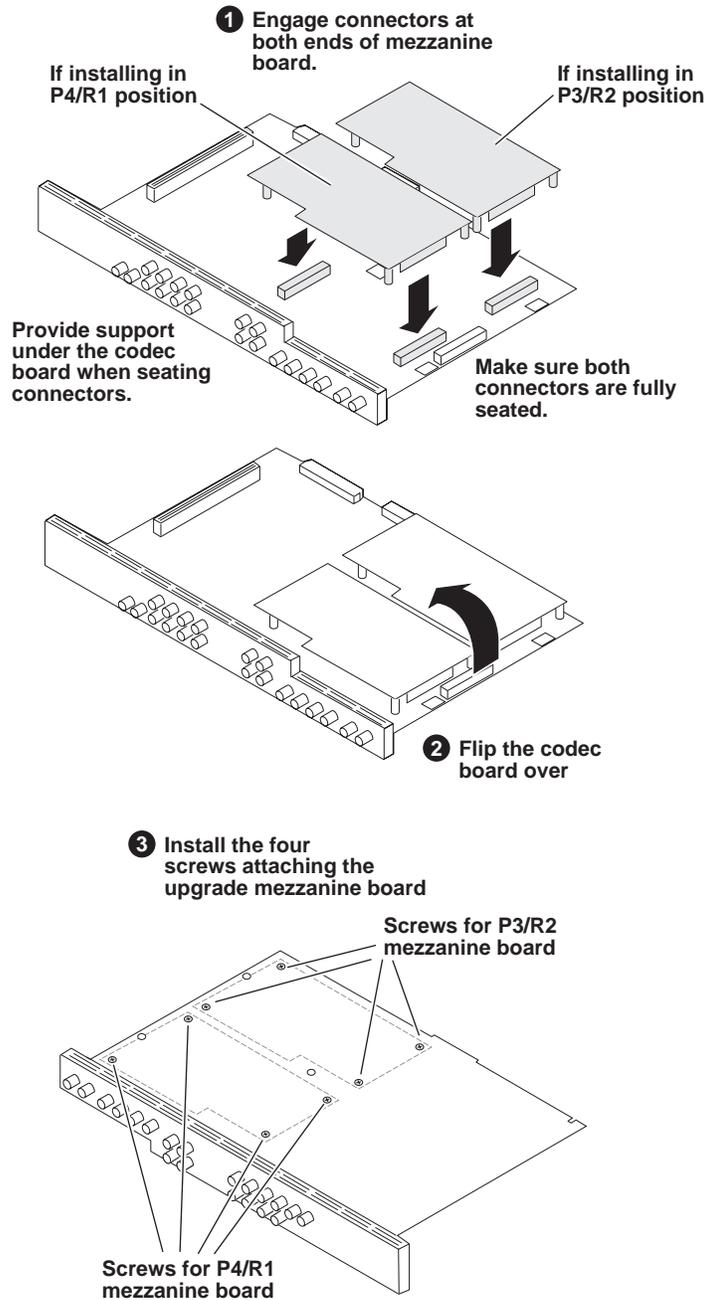
10.Replace the codec board. Make sure screws are installed in the proper sequence, as illustrated:

**7** **Connect large power cable**

**On HD/SD models, also connect small power cable**

**4** **Install side screws tightly**

**6** **Install side screws**

**5** **Tighten center screw**

**2** **Carefully engage the RTP board**

**3** **Loosely install center screw**

**6** **Install side screws**

**1** **Move board into position, then reach under and connect XLR board cable**
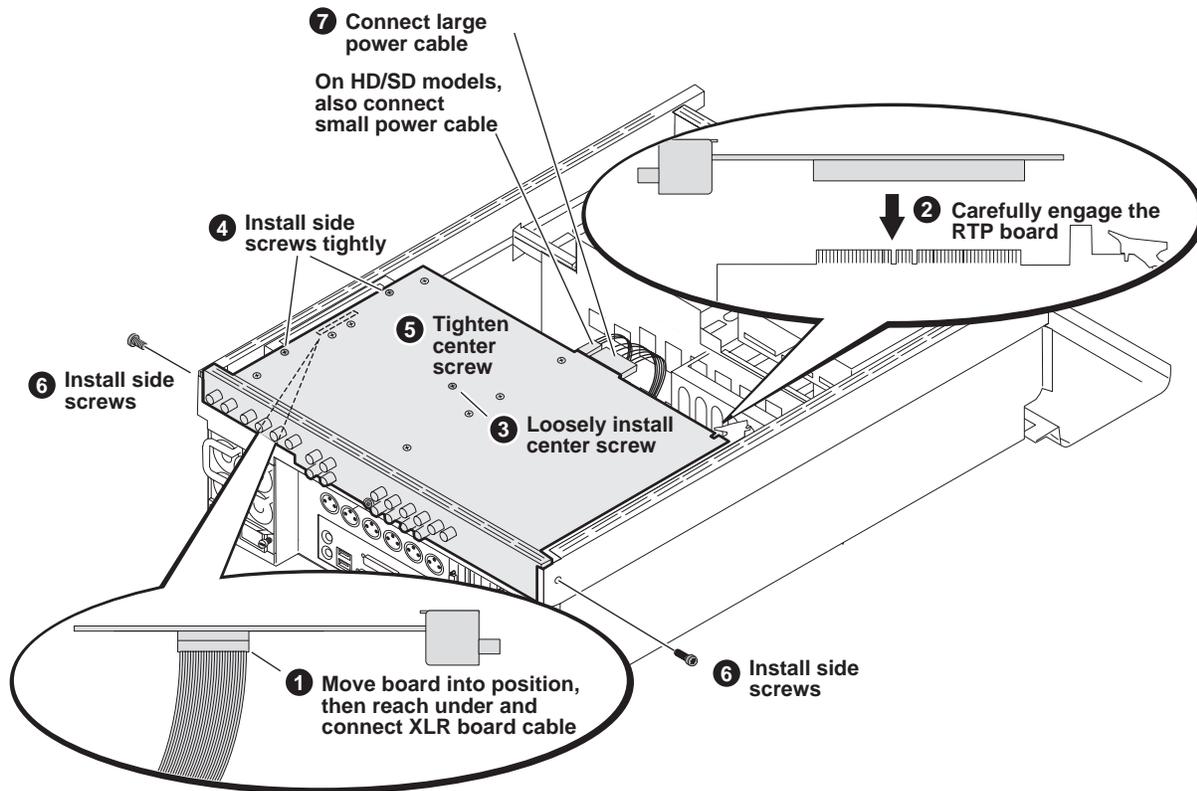
11.Replace the top cover.

12. Connect power cables.

13. Start up the K2 Media Client.

14. Log in to Windows.

15. When the AppCenter logon box appears, click **Cancel** and **Abort**.

16. Delete all configuration XML files in the *C:\profile\config* directory. These configuration files cannot be saved and reused.

On restart, the K2 Media Client rescans hardware, discovers the new mezzanine board, reconfigures appropriately, and writes a new configuration file.

17. Restart the K2 Media Client, log in to Windows and AppCenter, and open Configuration Manager. The new channel should be available for configuration, according to the decoder (play channel) or encoder (record channel) installed.

In addition, all settings on all channels are at the default values.

18. Configure all channels, making new settings on the new channel and returning existing channels to their previous settings.