grass valley

K2 Dyno

Replay System

Quick Start Guide

SOFTWARE VERSION 1.1

071-8681-00
June 2009

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K2 Dyno

REPLAY SYSTEM

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Revision Status

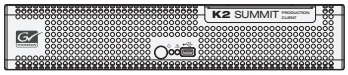
Rev Date	Description
June 17, 2009	Initial release of the K2 Dyno Replay System Quick Start Guide—071-8681-00

Chapter 1

Installation

Unpack and check contents

Find the following items in the packaging for the K2 Summit Production Client.



K2 Summit Production Client

NOTE: Do not lose the Recovery Flash Drive that is stored inside the bezel. It contains the image for this specific K2 Summit Production Client.

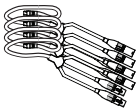
Rack slides

Documentation CD

Licenses and Warranties

Release Notes

Power cords



LTC cables

Find the following items in the packaging for the K2 Dyno Controller.

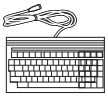
K2 Dyno Replay Controller

Power cord

Documentation CD

Recovery Flash Drive

NOTE: Do not lose the Recovery Flash Drive. It contains the image for this specific K2 Dyno Replay Controller.



Keyboard

Mouse

Licenses and Warranties

Release Notes

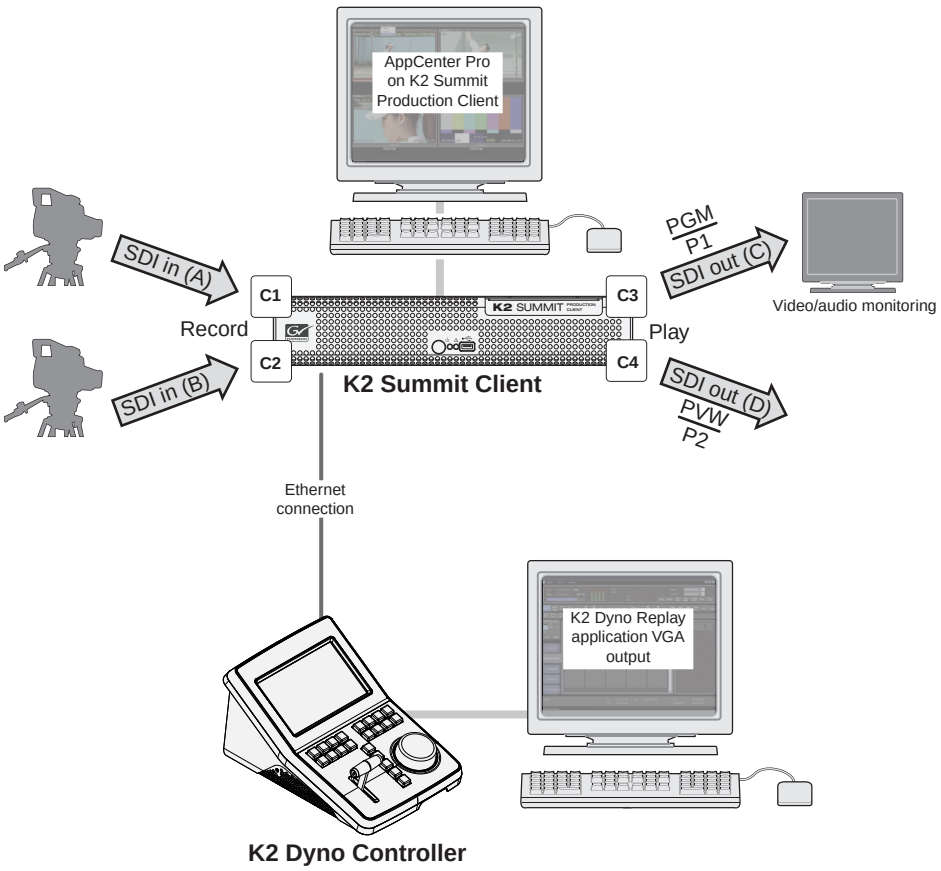
Gather additional items

To complete a typical K2 Dyno Replay System, as referenced in this Quick Start Guide, you must provide the following items:

- Two VGA monitors (1024 x 768 x 32 or greater) and cables
- Video monitors and cables
- USB keyboard
- Ethernet cable, either crossover or straight-through
- Audio monitoring system
- USB mouse

System overview

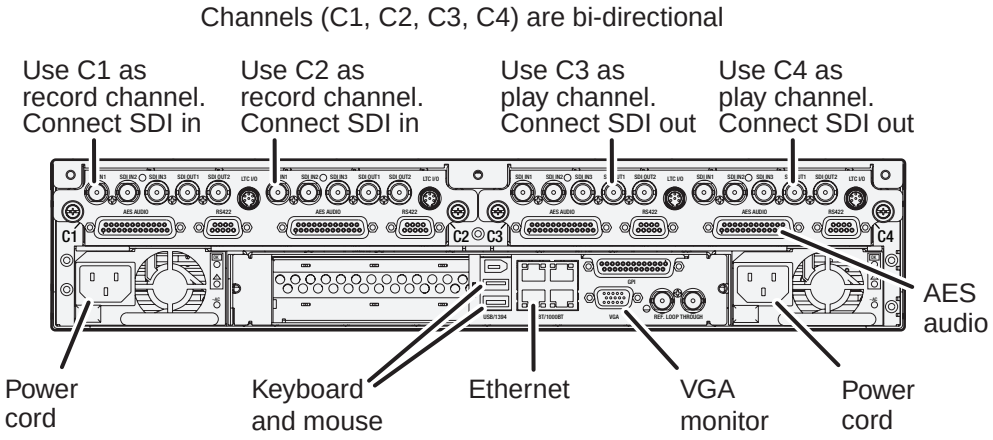
The procedures and explanations in this Quick Start Guide assume a typical K2 Dyno Replay System, such as that illustrated in the following diagram. If your installation requires a different system configuration, apply the information in this Quick Start Guide accordingly.



Cable K2 Summit Client

If desired, mount the K2 Summit Client in an equipment rack. Refer to the *K2 System Guide* for rack mount procedures.

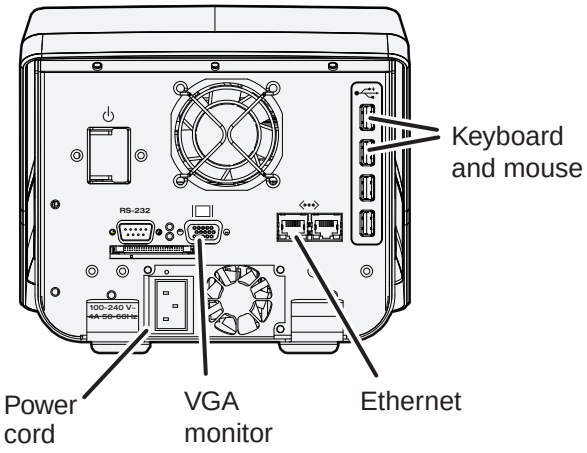
Make K2 Summit Client cable connections as illustrated.



Each channel can be both an input (record channel) and an output (play channel). For the K2 Dyno Replay System documented in this Quick Start Guide, C1 and C2 are record channels and C3 and C4 are play channels.

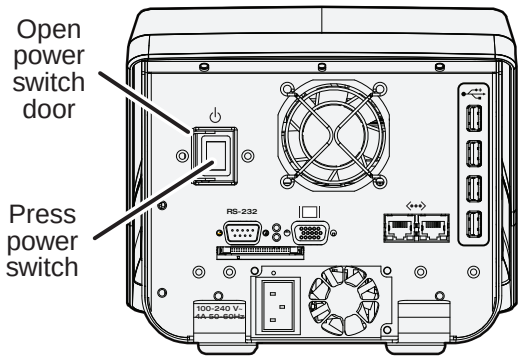
Cable K2 Dyno Controller

Make K2 Dyno Controller cable connections as illustrated.



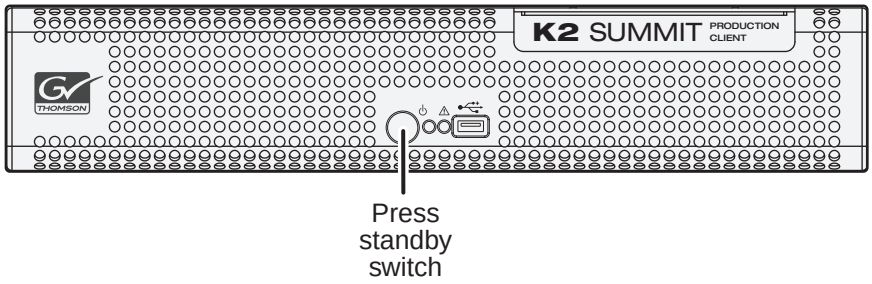
The Ethernet connection between the K2 Summit Client and the K2 Dyno Controller can be via direct connect cable or via an Ethernet switch.

Start up K2 Dyno Controller



There is no logon for the K2 Dyno Controller.

Start up K2 Summit Client



Log on to the K2 Summit Client with the default Windows administrator account:

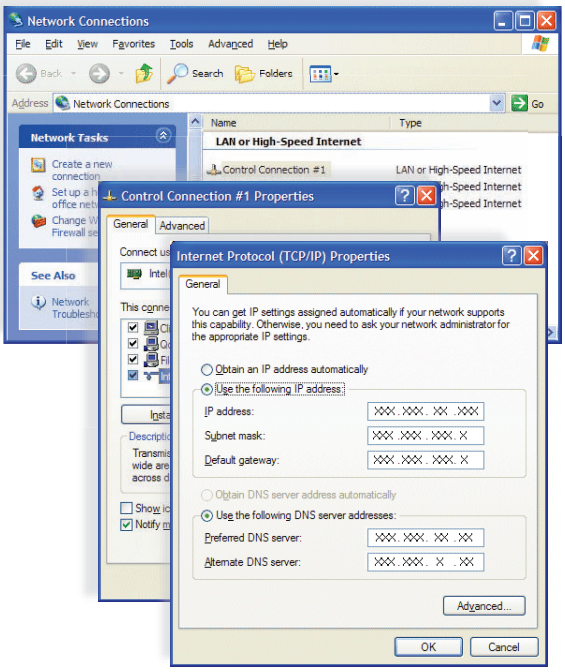
- Username: Administrator
- Password: adminK2
  (The password is case sensitive)

At first startup, End User License Agreements appear on the K2 Summit Client screen. Accept the agreements to continue.

The Power LED goes on and stays on. The Service LED stays off. Startup processes complete in approximately two minutes and the K2 Summit Media Client is ready for connection and operation.

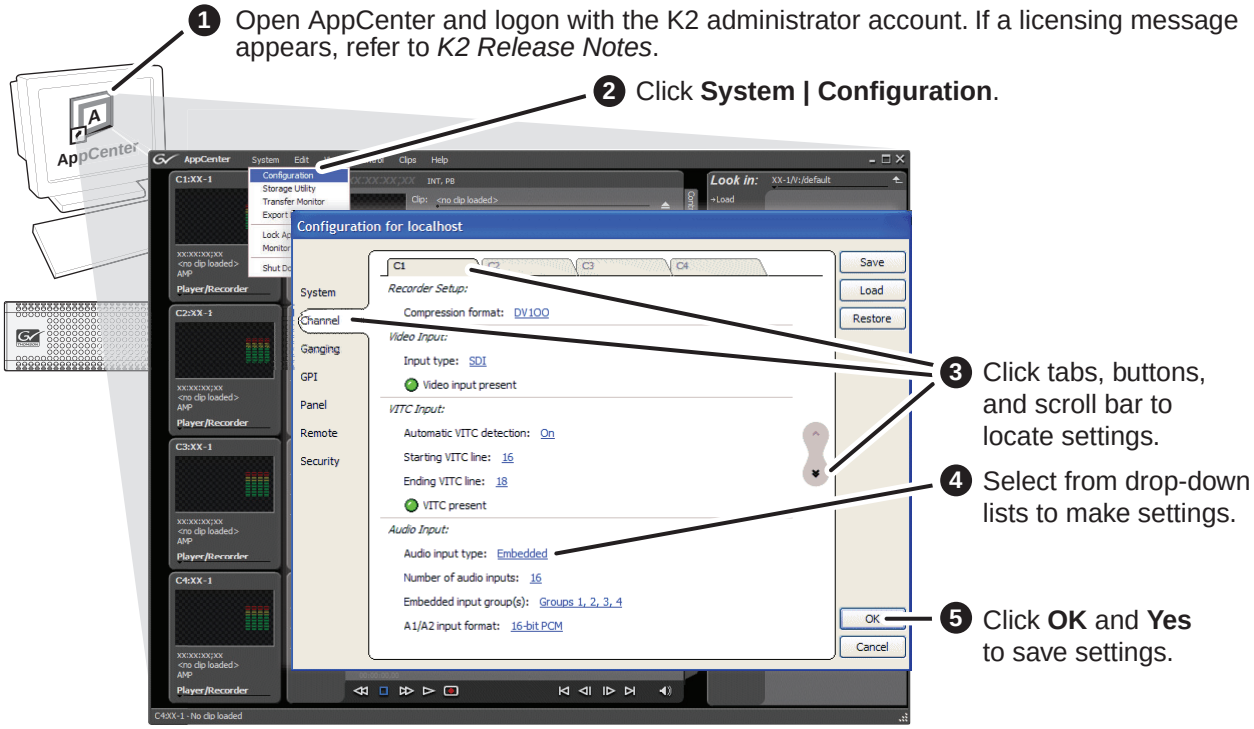
Configure network

On both the K2 Summit Client and on the K2 Dyno Controller, use standard Windows operating system procedures to configure a static IP address. IP addresses must be on the same subnet. You can also configure a host name if desired.



Configure K2 Summit Client channels

Configure channels according to your required formats and resolutions.



For the default K2 administrator account, use the following to logon:

- Username: K2Admin
- Password: K2admin
  (The password is case sensitive)

In Configuration Manager, click **Channel** and then select a channel tab to make settings for 2 record 2 play mode as follows:

- Configure channels **C1** and **C2** as record channels. Make video and audio settings as appropriate for your input.
- Configure channels **C3** and **C4** as play channels. Make video and audio settings as appropriate for your output.

Monitor K2 Summit Client channels

On the VGA monitor connected to the K2 Summit Client, you can monitor the four channels.

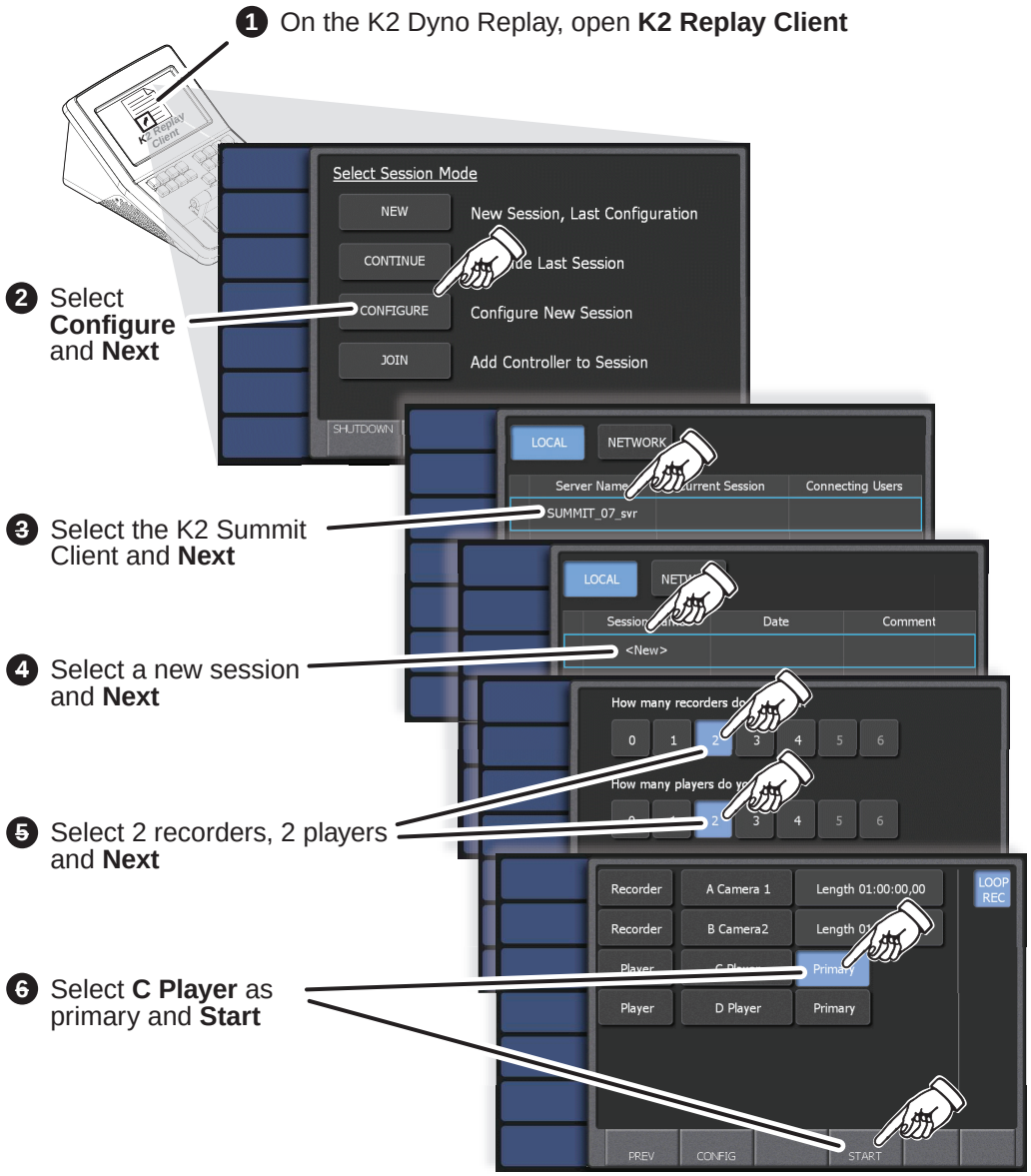
You can also double-click on a monitor area in multi-view or control screen to switch between views.

Chapter 2

Operation

Start a new session

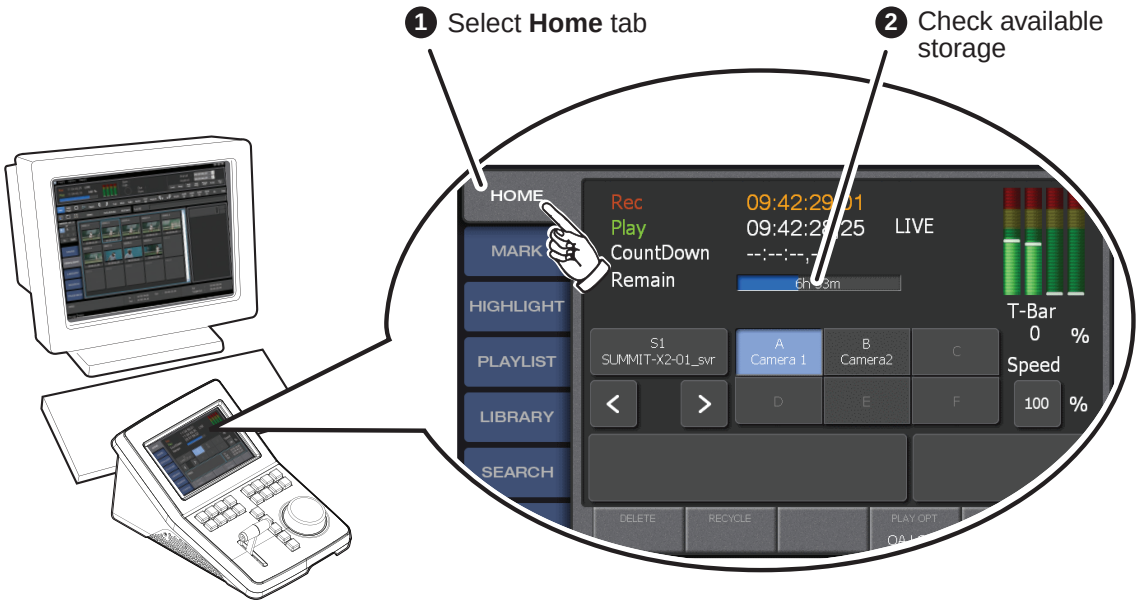
Prerequisite: Dyno Server software must be installed on the K2 Summit Production Client. On the K2 Summit Production Client that you receive with the K2 Dyno Replay System, it is pre-installed.



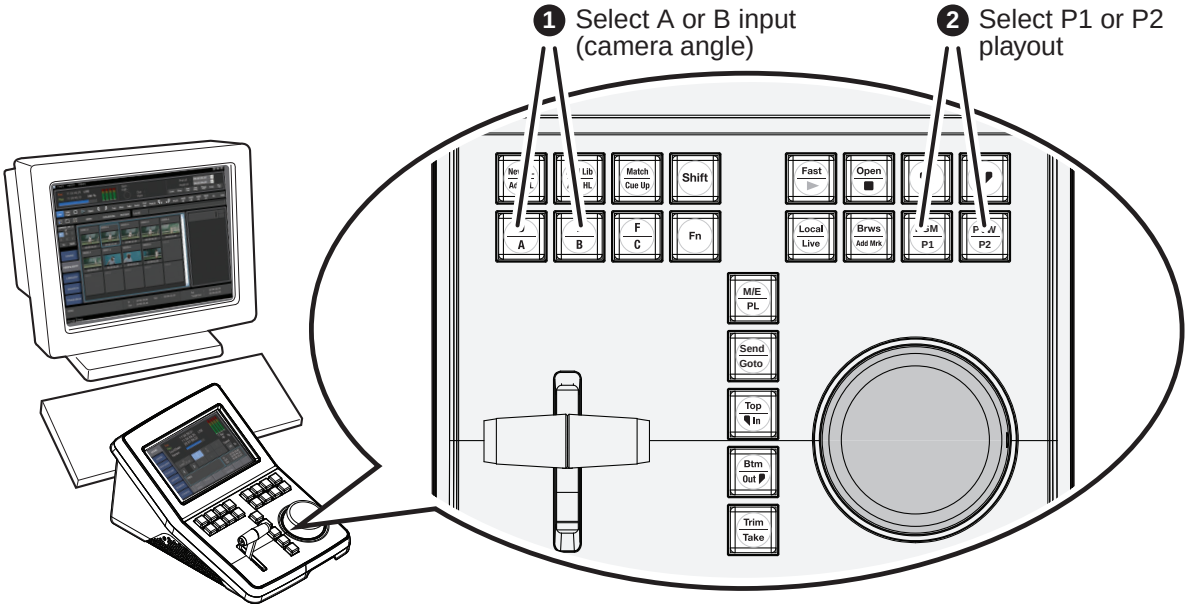
In approximately one minute the K2 Dyno Replay application should appear on the touch screen and on the VGA screen.

Loop record can be set when you configure a Dyno session, and cannot be changed during the active recording session. Exporting HL clips and Playlists is best done in regular record mode (loop record off).

View home page status



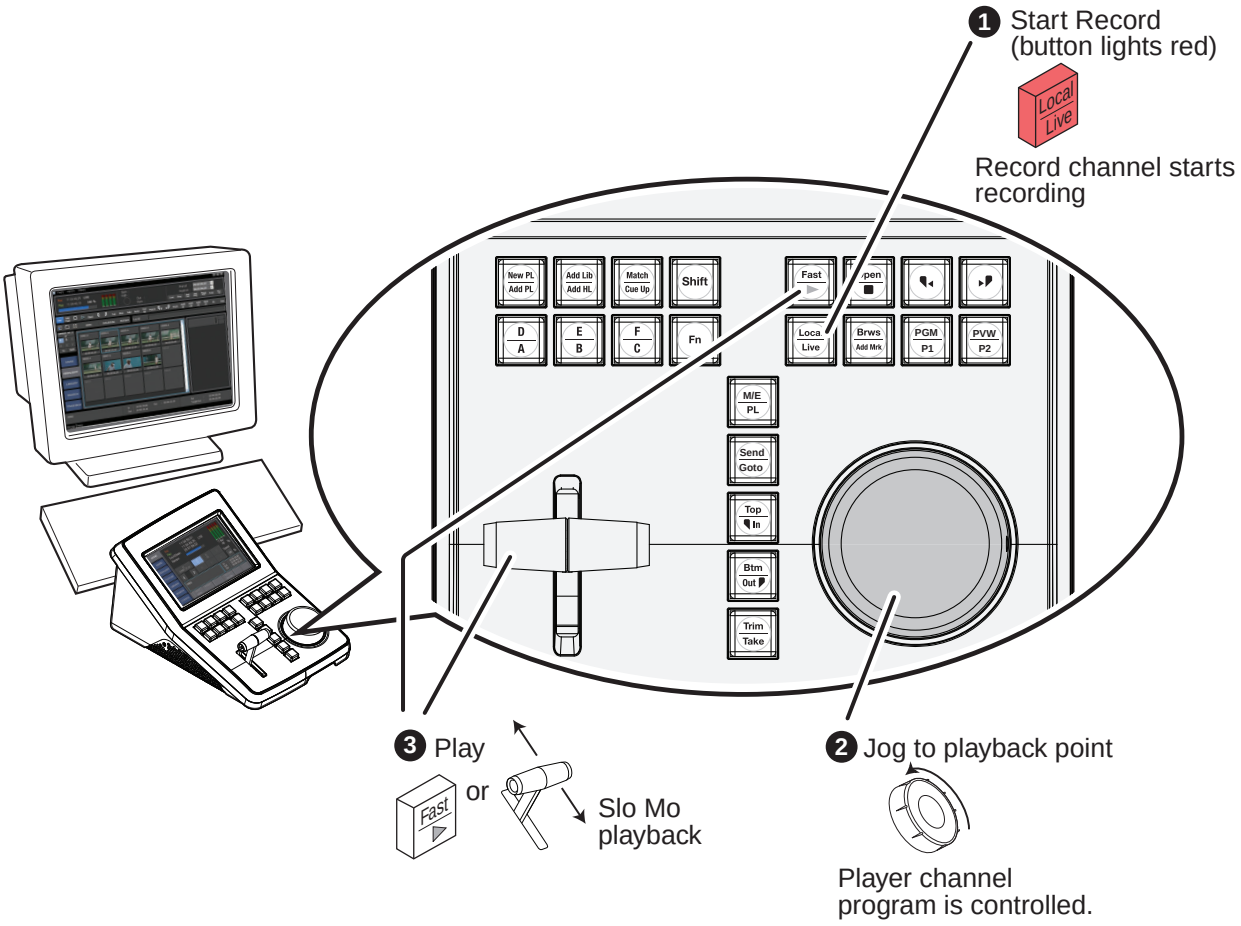
Select input and playout channels



To gang channels, press both P1 and P2 at the same time.

For more information about channel operation modes, refer to "Channel operation overview" on page 25.

Replay



Live/Local button

Red	=	Live: You are watching the live video of the selected channel being recorded.	Yellow	=	Local: You are controlling your replay in still, slow motion, or normal playout mode. The recording of the live video continues while you are in this mode.

Shift button

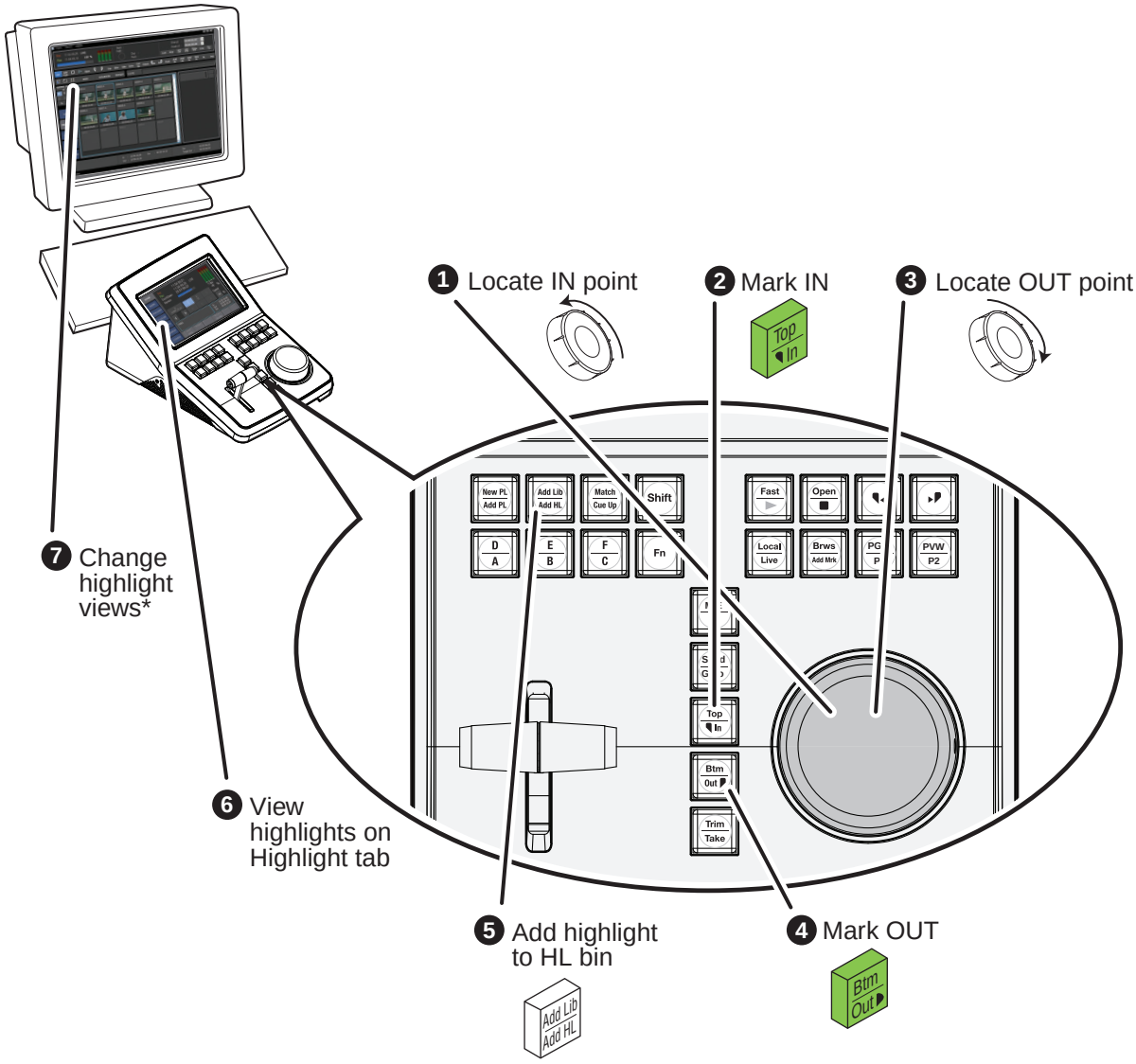
Clear	=	Bottom function: For each button, the function shown on the bottom of the button label is currently active. Trim Take	Yellow	=	Top function: For each button, the function shown on the top of the button label is currently active. Trim Take

The Shift button also affects the function of controls displayed on the touch screen.

Press **A** or **B** to switch angles during playout.

Refer to "Controller buttons: Reference" on the inside back cover for more information on button functions.

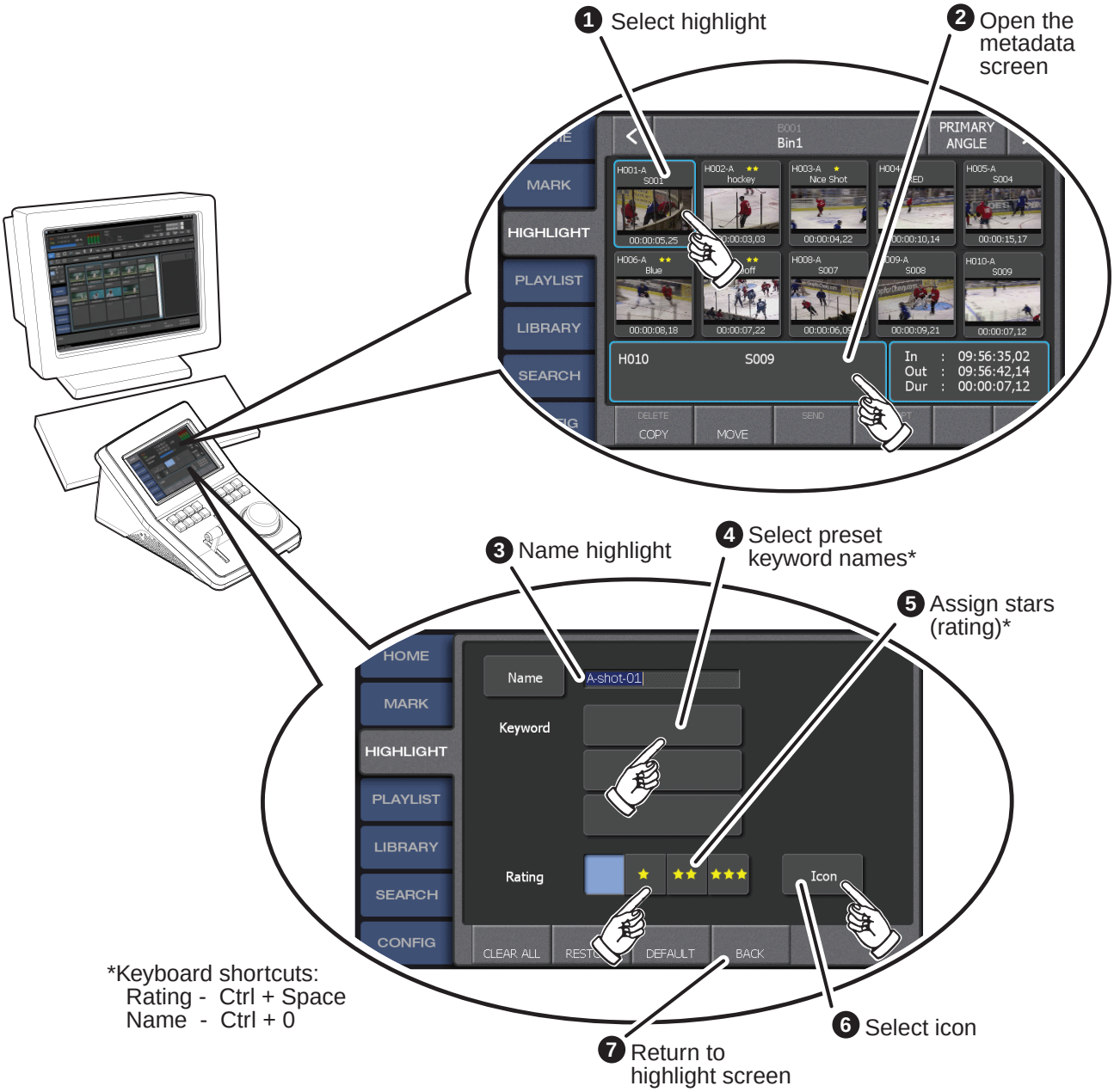
Capture highlight clip



*Highlight views on VGA monitor:

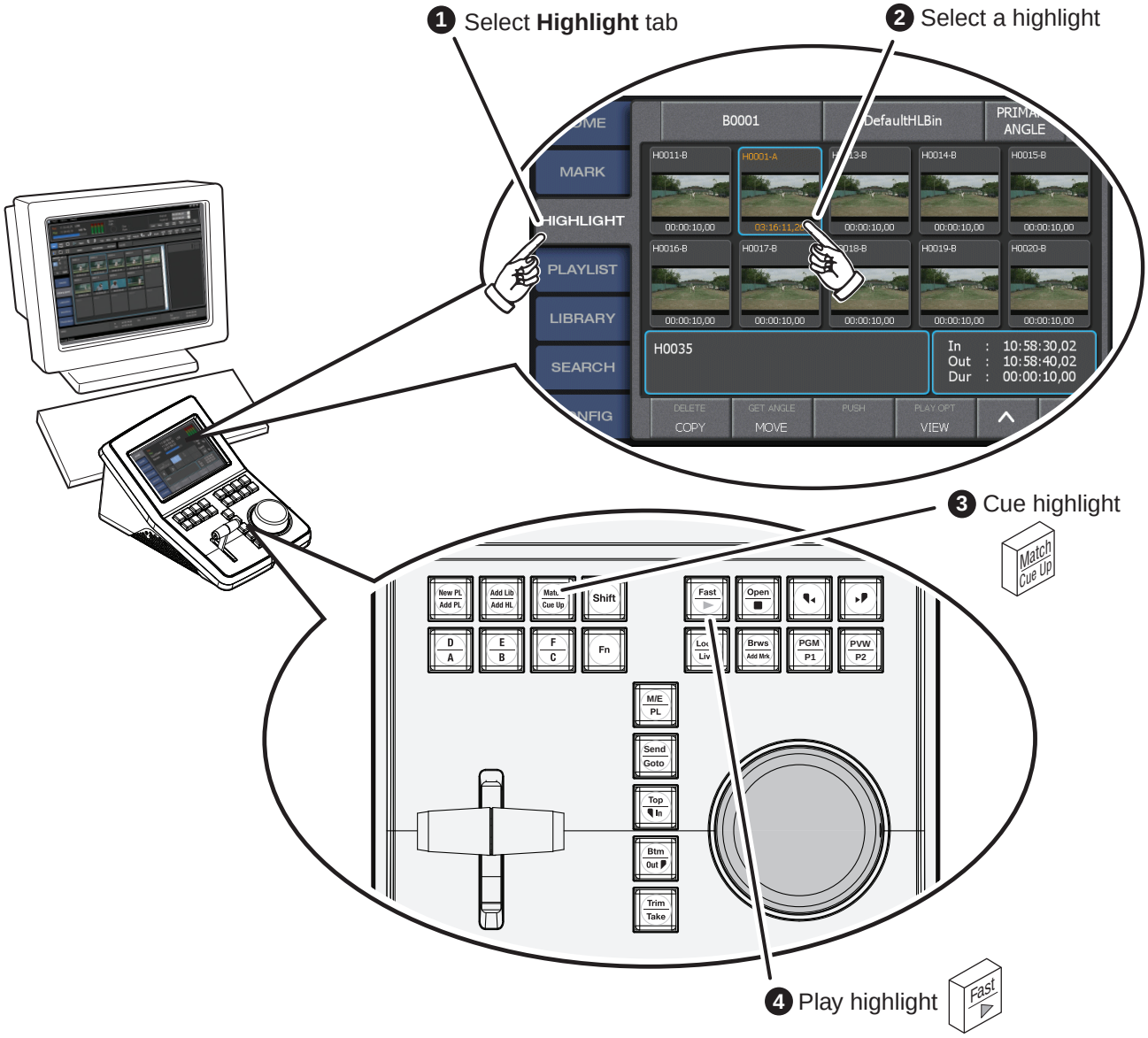
- Highlight clip plus metadata keywords
- Highlight clip plus thumbnail
- Highlight clips in table format

Add metadata



You can pre-make metadata keywords with the Dyno Keyword Editor application, which you install on a separate PC. You then import K2 Dyno Editor files (XML) into the Dyno Controller using the IMP/EXP soft key on the Config menu. See Import page.

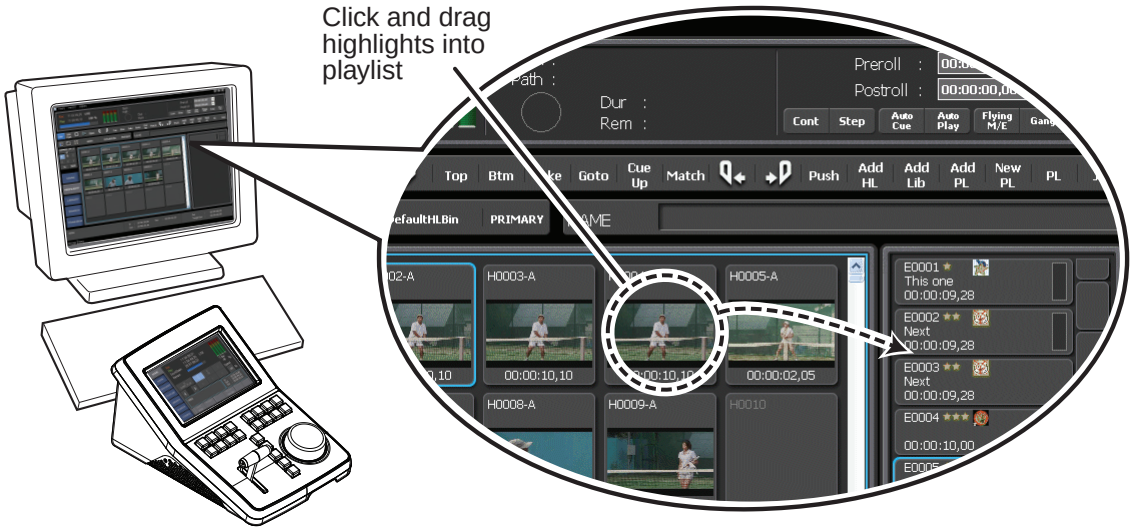
Play highlight clip



You can customize play operations as follows:

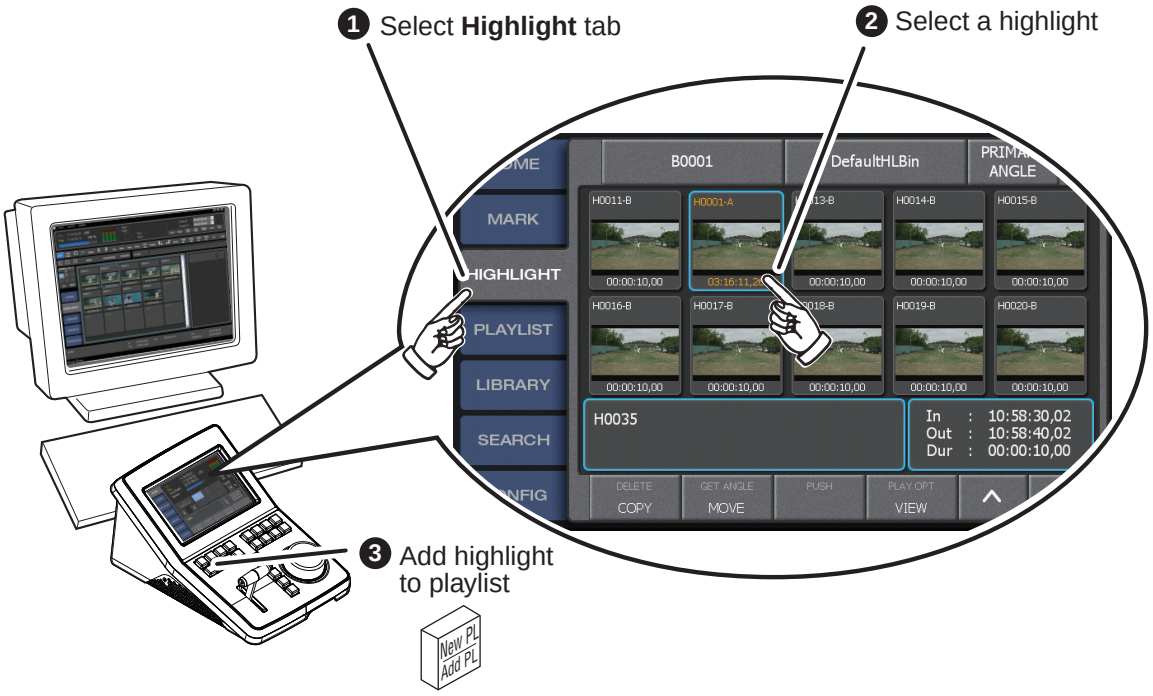
- On the VGA monitor click **Auto Cue**. Auto Cue In this mode, when you select a highlight, it is automatically cued up.
- On the VGA monitor click **Auto Play**. Auto Play In this mode, when you select a highlight, it automatically plays.
- To configure play options on the controller touch screen, press **Shift** Shift and then touch **PLAYOPT**. PLAYOPT

Create a playlist: VGA interface



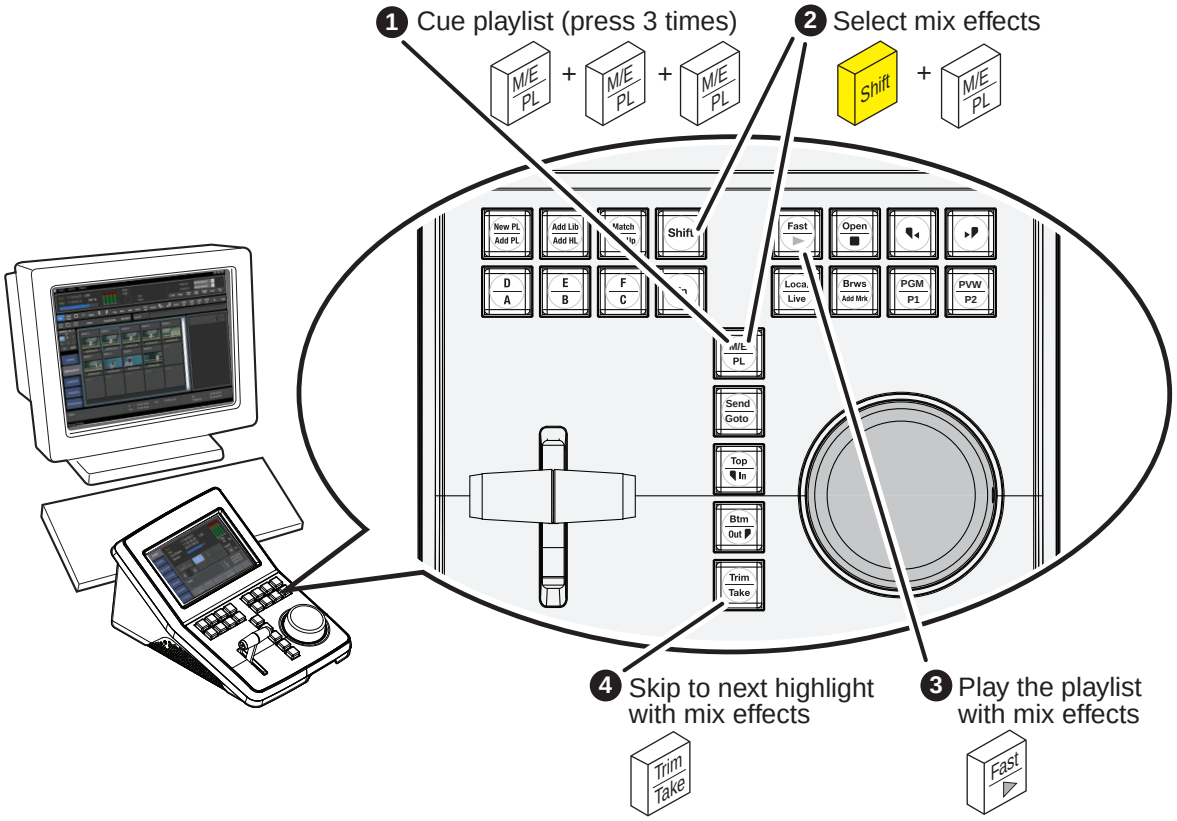
You can also move highlight clips within the playlist using the mouse.

Create a playlist: Controller interface



On the controller touch screen, select the **Playlist** tab to see the highlight clip added to the playlist.

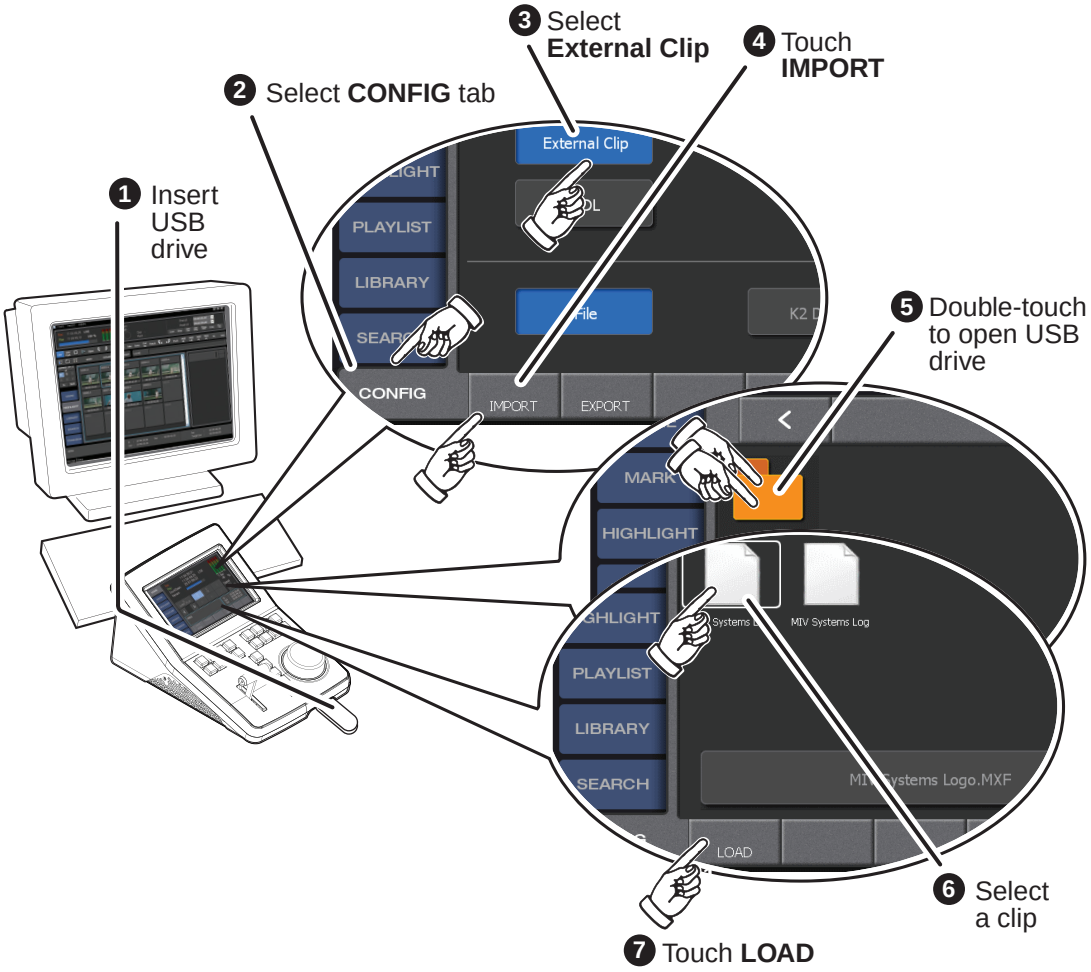
Play a playlist with mix effects



Additional controls for mix effects are as follows:

- To select mix effects, press **Shift** . The Flying M/E button lights green when M/E is on.
- To configure mix effects, such as duration times and transition types, on the **CONFIG** tab touch **M/E**.

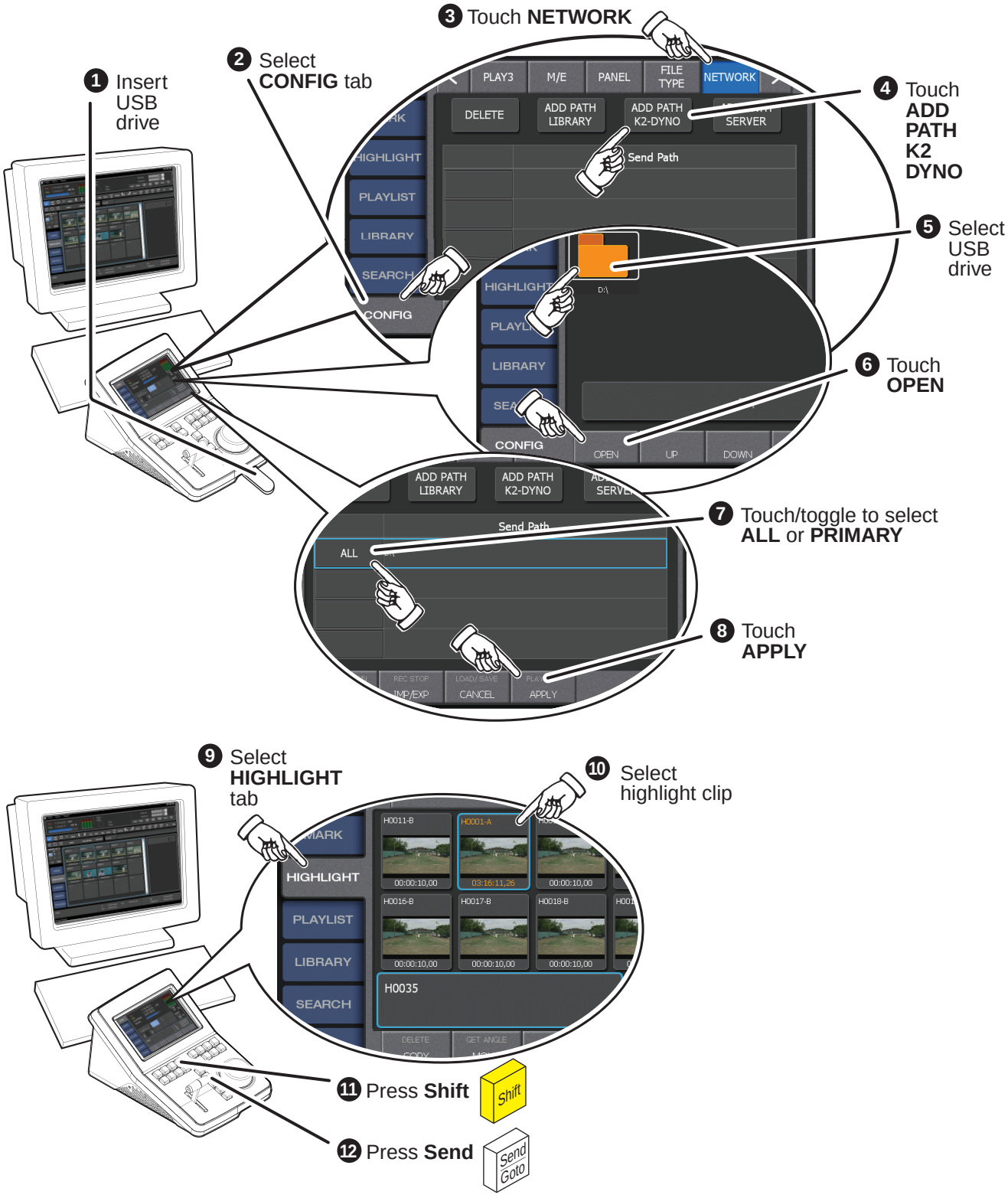
Import



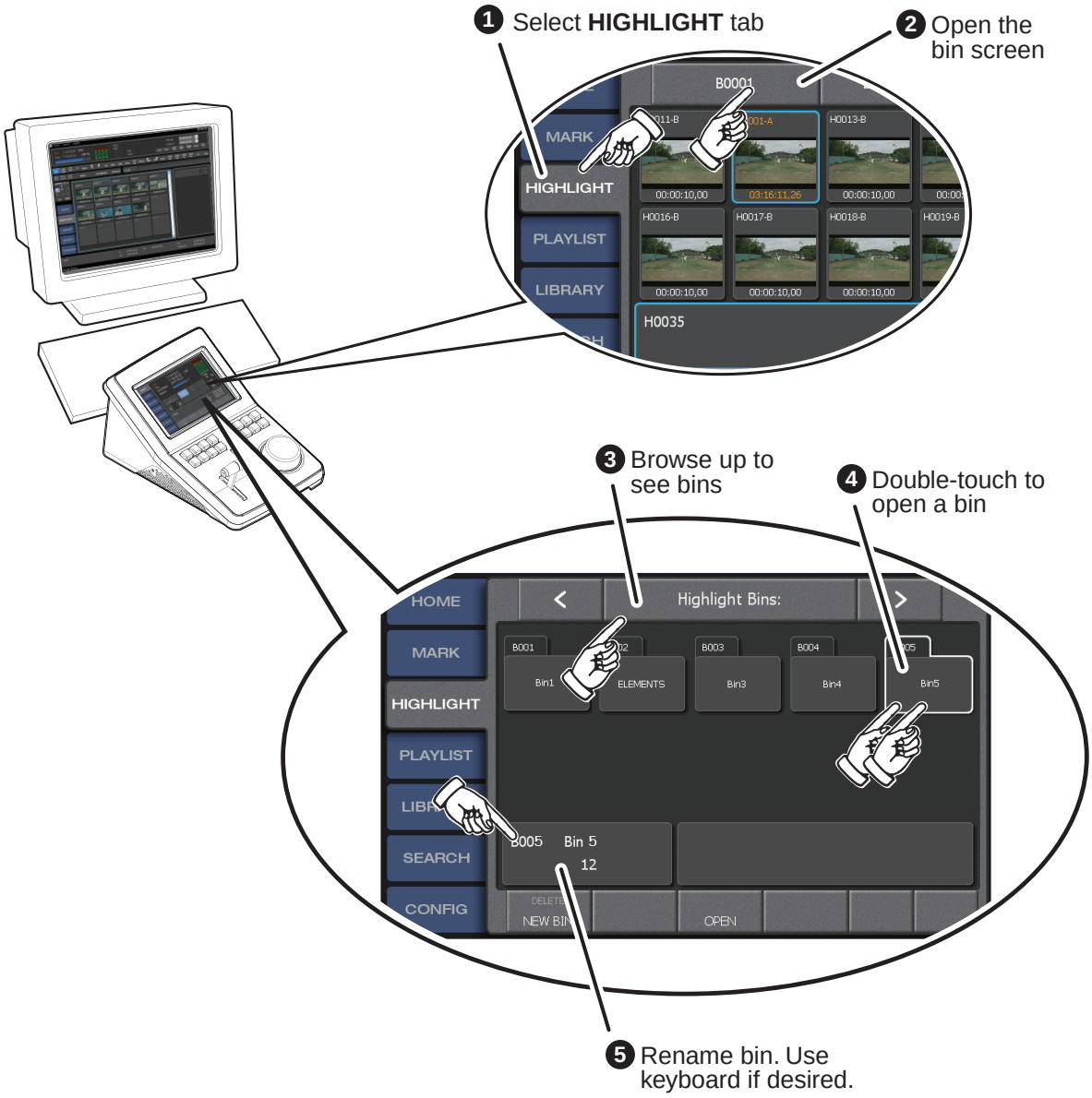
The clip is imported to V:\default

You can also import keyword XML files using the IMP/EXP menu screen. You create these files with the Dyno Keyword Editor application.

Export

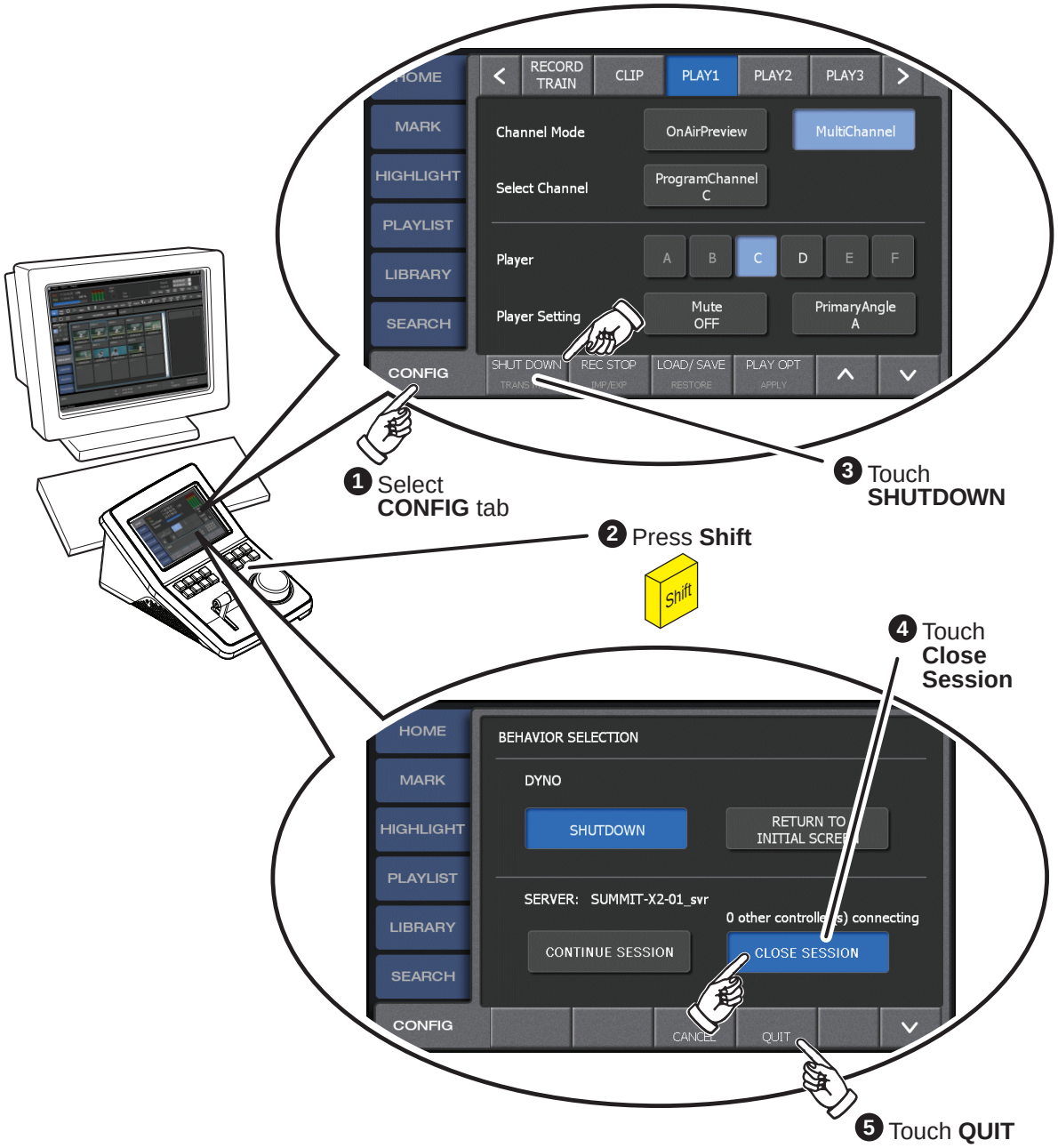

1 Insert USB drive
2 Select **CONFIG** tab
3 Touch **NETWORK**
4 Touch **ADD PATH K2 DYNO**
5 Select USB drive
6 Touch **OPEN**
7 Touch/toggle to select **ALL** or **PRIMARY**
8 Touch **APPLY**
9 Select **HIGHLIGHT** tab
10 Select highlight clip
11 Press **Shift**
12 Press **Send**
PLAY3
M/E
PANEL
FILE TYPE
NETWORK
DELETE
ADD PATH LIBRARY
ADD PATH K2-DYNO
SERVER
Send Path
HIGHLIGHT
PLAYLIST
LIBRARY
SEARCH
CONFIG
OPEN
UP
DOWN
ALL
CANCEL
APPLY
H0035
Shift
Send Goto

Manage bins



Touch **<** or **>** to navigate between bins.

Shutdown K2 Dyno Controller



The Dyno controller application closes and the Windows operating system shuts down.

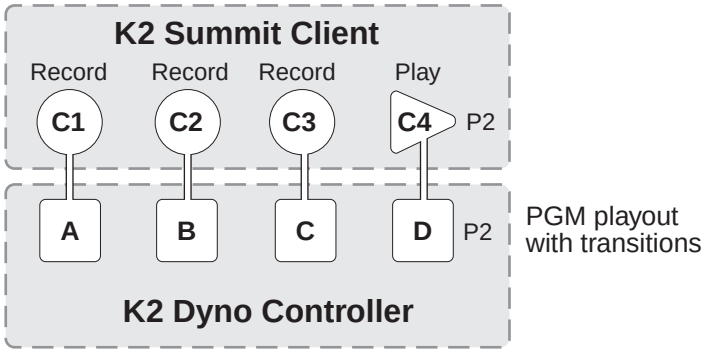
You can also select **RETURN TO INITIAL SCREEN** rather than SHUTDOWN to close the current session and return the session start up screen.

Channel operation overview

The following sections explain channel operation modes.

Standard mode

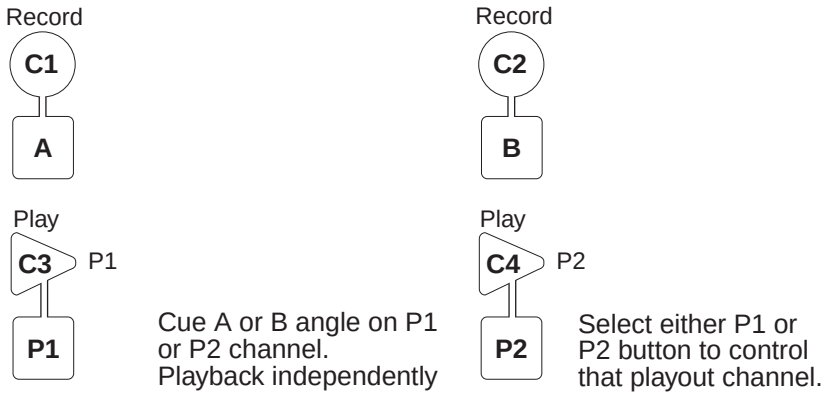
3 Record, 1 Playback/PGM



- The 3 Record and 1 Playback channel set-up is done when the session is configured at start-up screen
- A,B,C angles can be selected for playback on the D (P2) channel
- In this mode the P2 Player channel always illuminates red.

Multichannel independent mode

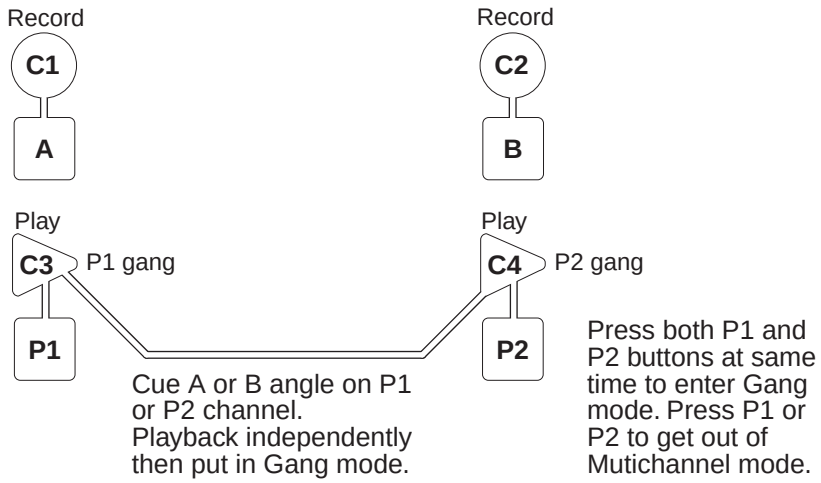
2 Record, 2 Playback. Also known as “A-Side, B-Side”.



- The 2 Record and 2 Playback channel set-up is done when the session is configured at start-up screen
- A,B, angles can be selected for playback on P1 or P2
- P1 and P2 playout channel content can be “swapped” by pressing buttons Fn then Take.

Multichannel + gang mode

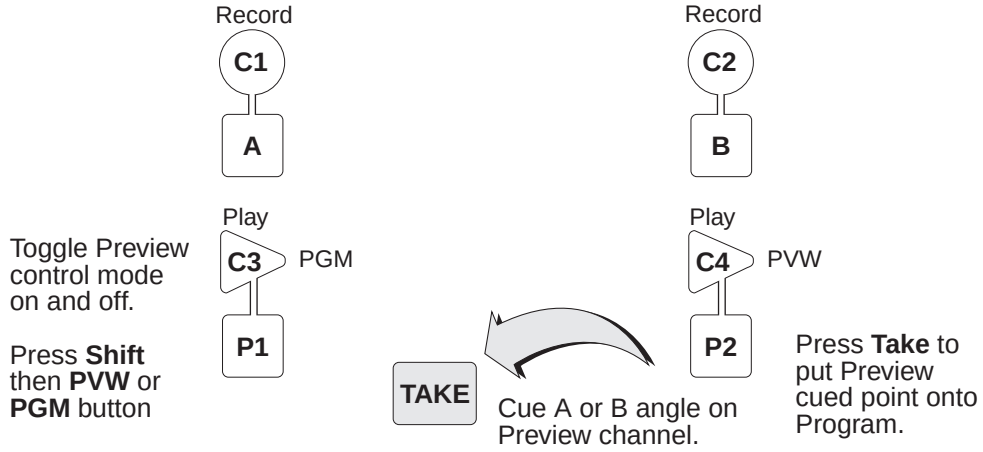
2 Record, 2 Playback. Player channels in sync.



- The 2 Record and 2 Playback channel set-up is done when the session is configured at start-up screen
- A,B, angles can be selected for playback on the P1, (C3) or P2 (C4)
- Gang operation is based on Independent mode with selection of both channels and turning on gang

Preview/Program mode

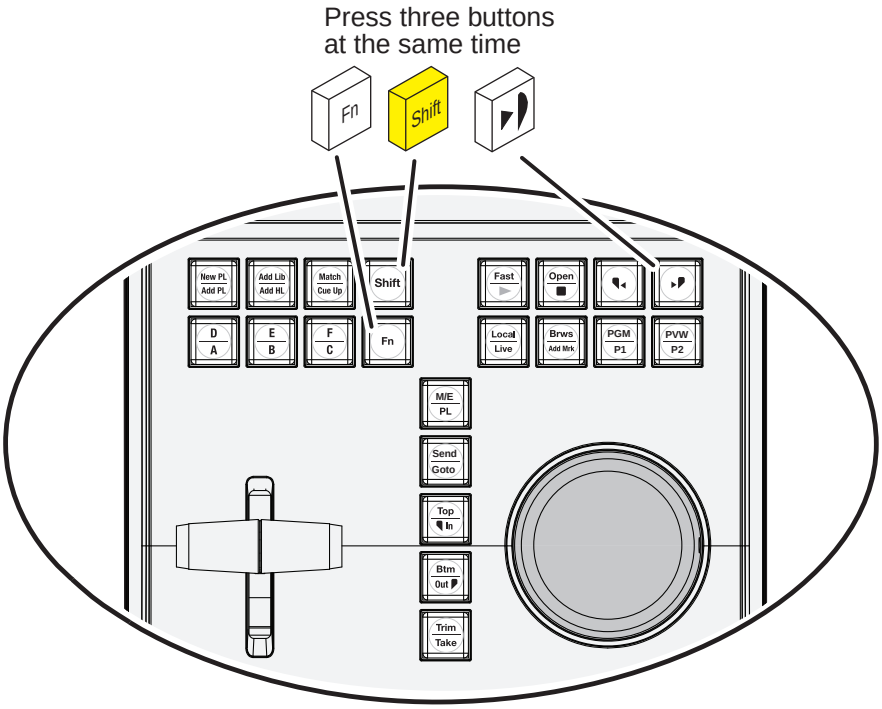
2 Record, 1 Playback/PGM, 1 Preview.



- The 2 Record and 2 Playback channel set-up is done when the session is configured at start-up screen
- A,B, angles can be selected for playback on the C Program (C3) and D (C4) Preview
- In this mode, the PVW button illuminates yellow when PGM is selected. PVW lights green when selected and the Take button illuminates green to indicate ready for Take to PGM channel.
- P1 and P2 playout channel content can be “swapped” by pressing buttons Fn then Take.

Tips and shortcuts

- To configure play options, press the **Shift** button and then on the touch screen select **PLAYOPT**.
- To assign a rating (stars) to a highlight clip, use keyboard shortcut **Ctrl** + **Space**.
- The Shift button toggles between the top and bottom functions, as labeled on the controller's buttons. The Shift button also affects the function of controls displayed on the touch screen.
- Use the Replay application displayed on the VGA monitor as a status screen.
- You can adjust controller panel attributes, such as adjust the LCD and button brightness, from the Setup Screen.



Press **Fn + Shift + Next** to open the Setup Screen.

- You can adjust the speed, range, and other parameters of the jog knob and the T-bar. On the Config tab, touch **<** or **>** and then touch **PLAY2** or **PLAY3** to access screens with settings.
- You can lock/unlock the controller panel (buttons, jog knob, and T-bar) to prevent accidental operations. On the Home tab, at the bottom of the screen, touch **OALOCK** (On Air Lock).
- To play an angle from the beginning of the clip, press **FN** and then press **A** or **B** or **C**.
- Swap channels between PI and P2 playout channels by pressing **Fn** and then **Take**.
- Set T-Lever control and knob speed/response in Config menu, Play-2 and Play-3 tabs.

Chapter 3

Problems and solutions

The following table provides corrective action for some common problems.

Problem	Possible Cause	Corrective Action
Dyno Replay Controller can not connect to K2 Summit Client.	Bad cable connection or network setup.	Check network cable connections. At the Command Prompt, ping the network IP address.
Play channel video output is periodically unstable in E-to-E mode.	Video reference is not connected.	If E-to-E mode is used, you must connect a video reference signal.
The channel output is black in E-to-E, but playback is fine.	Loss of input signal.	Verify that you have a valid input signal.
Audio level too high or too low	Record or play channel audio level adjusted too low.	In Summit AppCenter, use the audio level in recorder to adjust audio level. Use audio level adjust in player to adjust audio output level.
Compression artifacts are present in the output.	SD video data rate setting is too low for your program material.	In Summit AppCenter, select higher SD video data rate.
Digital video display device does not display properly.	Wrong video output type selected for the Play channel.	Verify and select video output type required by the display device (see display device manuals).

Finding more information

You can find the information you need in product manuals and elsewhere.

K2 Dyno Release Notes and K2 Release Notes — The release notes contain the latest information about the software shipped on your system. The information includes software upgrade instructions, software specifications, software requirements, feature changes from the previous releases, and any known problems. Because release notes contain the latest information, they are provided as a printed document, rather than being included on the Documentation CD-ROM.

K2 Summit Production Client Quick Start Guide — You receive this guide in the product packaging with your K2 Summit Production Client. The Quick Start Guide provides step-by-step installation instructions for basic installation and operation of your K2 Summit Production Client, including recording and playing clips.

K2 Documentation CD — Except for the release notes, the full set of support documentation, including this Quick Start Guide, is available on the Documentation CD-ROM that you receive with your product. The K2 Documentation CD includes the following documents:

- **K2 Dyno User Manual** — Provides instructions for configuring and operating the K2 Dyno Replay Application via the controller and the VGA interface.
- **K2 Dyno Service Manual** — Contains information on servicing and maintenance.
- **K2 System Guide** — Contains the product specifications and step-by-step instructions for modifying system settings.
- **K2 Summit Production Client Quick Start Guide** — The Quick Start Guide provides step-by-step installation instructions for basic installation and operation of the K2 Dyno.
- **K2 AppCenter User Manual** — Provides instructions for configuring and operating the media channels of the K2 Summit Production Client.
- **K2 Summit Production Client Service Manual** — Contains information on servicing and maintenance.

Grass Valley Product Support

For technical assistance, to check on the status of a question, or to report new issue, 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.

World Wide Web: http://www.grassvalley.com/support/
Technical Support E-mail Address: gvgtechsupport@grassvalley.com.

Telephone Support

Use the following information to contact Product Support by phone.

International Support Centers

Our international support centers are available 24 hours a day, 7 days a week.

Support Center	Toll free	In country
France	+800 80 80 20 20	+33 1 48 25 20 20
United States	+1 800 547 8949	+1 530 478 4148

Authorized Local Support Representative

A local support representative may be available in your country. To locate a support center during normal local business hours, refer to the following list. This list is regularly updated on the website for Thomson Grass Valley Product Support (http://www.grassvalley.com/support/contact/phone/).

After–hours local phone support is also available for warranty and contract customers.

Region	Country	Telephone
Asia	China	+861 066 0159 450
	Hong Kong, Taiwan, Korea, Macau	+852 2531 3058
	Japan	+81 3 5484 6868
	Southeast Asia - Malaysia	+603 7492 3303
	Southeast Asia - Singapore	+65 6379 1313
	Indian Subcontinent	+91 11 515 282 502 +91 11 515 282 504
Pacific	Australia, New Zealand	+61 1300 721 495
Central America, South America	All	+55 11 5509 3440
North America	North America, Mexico, Caribbean	+1 800 547 8949 +1 530 478 4148

Region	Country	Telephone
Europe	UK, Ireland, Israel	+44 118 923 0499
	Benelux – Netherlands	+31 (0) 35 62 38 421
	Benelux – Belgium	+32 (0) 2 334 90 30
	France	+800 80 80 20 20 +33 1 48 25 20 20
	Germany, Austria, Eastern Europe	+49 6150 104 444
	Belarus, Russia, Tadzhikistan, Ukraine, Uzbekistan	+7 095 258 09 20 +33 (0) 2 334 90 30
	Nordics (Norway, Sweden, Finland, Denmark, Iceland)	+45 40 47 22 37
	Southern Europe – Italy	+39 02 24 13 16 01 +39 06 87 20 35 42
	Southern Europe – Spain	+34 91 512 03 50
Middle East, Near East, Africa	Middle East	+971 4 299 64 40
	Near East and Africa	+800 80 80 20 20 +33 1 48 25 20 20

grass valley

END-OF-LIFE PRODUCT RECYCLING NOTICE

Grass Valley's innovation and excellence in product design also extends to the programs we've established to manage the recycling of our products. Grass Valley has developed a comprehensive end-of-life product take back program for recycle or disposal of end-of-life products. Our program meets the requirements of the European Union's WEEE Directive, the United States Environmental Protection Agency, and U.S. state and local agencies.

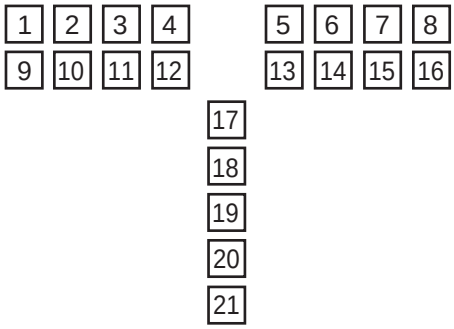
Grass Valley's end-of-life product take back program assures proper disposal by use of Best Available Technology. This program accepts any Grass Valley branded equipment. Upon request, a Certificate of Recycling or a Certificate of Destruction, depending on the ultimate disposition of the product, can be sent to the requester.

Grass Valley will be responsible for all costs associated with recycling and disposal, including freight. However, you are responsible for the removal of the equipment from your facility and packing the equipment to make it ready for pickup.

For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the U.S. and Canada please call 800-547-8949 or 530-478-4148, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: www.thomsongrassvalley.com/environment

THOMSON images & beyond

Controller buttons: Reference



1 New PL / Add PL — Create new playlist / Add current selected item to PL as bottom event

2 Add Lib / Add HL — Add clip to Library type bin / Add selected item to selected Highlight bin

3 Match / Cue Up — Match to timecode point in record train / Cue up current selected item

4 Shift — Enable Shift Function. On buttons, toggles between top and bottom functions. On touch screen, similarly toggles function of controls.

5 Fast / ▷ — Toggles Fast Jog on/off / Play

6 Open / ■ — Open selected playlist / Stop

7 ◀ — Navigate to previous

8 ▶ — Navigate to next

9 D / A — Change current angle to D / Change current angle to A

10 E / B — Change current angle to E / Change current angle to B

11 F / C — Change current angle to F / Change current angle to C

12 Fn — Invokes special functions

13 Local / Live — Switch between local (playback) and live (record)

14 Brws / Add Mrk — Browse using knob / Adds mark at current point

15 PGM / P1 — Toggles Preview/Program mode / Player 1 output channel selection

16 PVW / P2 — Toggles Preview/Program mode / Player 2 output channel selection

17 M/E / PL — Turn on/off Flying M/E (Lights green) / Open Playlist page. If cue point not in PL, cue up last. If cue point in PL, cue up first.

18 Send / Goto — Send clip to preset path / Go to selection, HL, TC

19 Top / ◀ In — Cue up beginning of clip / Mark in point

20 Btm / Out ▶ — Cue up to end of clip / Mark out point

21 Trim / Take — Trim HL or event in and out point / Skip to next event in playlist. Swap video on preview channel and program channel, complete Trim function.

- Pressing Shift then Live/Local returns to the Home screen.
- For other buttons, the Shift button toggles between top and bottom functions.
- To lock/unlock buttons, on the Home tab, at the bottom of the screen, touch **OALOCK** (On Air Lock).