

Chapter 2 Applications

Before you configure the Lynx Keyboard Control Unit (KCU), decide what equipment is needed and how you will set up the system.

This chapter illustrates some of the most common KCU applications. Please use these guides in configuring your system to accommodate your specific application:

- Stand-alone KCU operation
- Stand-alone KCU with a VTR
- Varispeed and Gearbox operations with the KCU
- KCU and System Supervisor Unit (SSU) operation

Any combination of Lynx-2 and Lynx modules, fitted with gearbox processor cards and V500 software, can be used with the KCU.

When looking through this chapter, keep in mind that other TimeLine equipment will be configured along with the KCU. Lynx-2 and Lynx Time Code Modules provide the building block starting point for any Lynx Editing System. Install with the greatest attention to detail, as the performance of the entire system depends on their reliability. Please refer to the Lynx-2 manual for system application examples.

Stand-alone KCU Operation

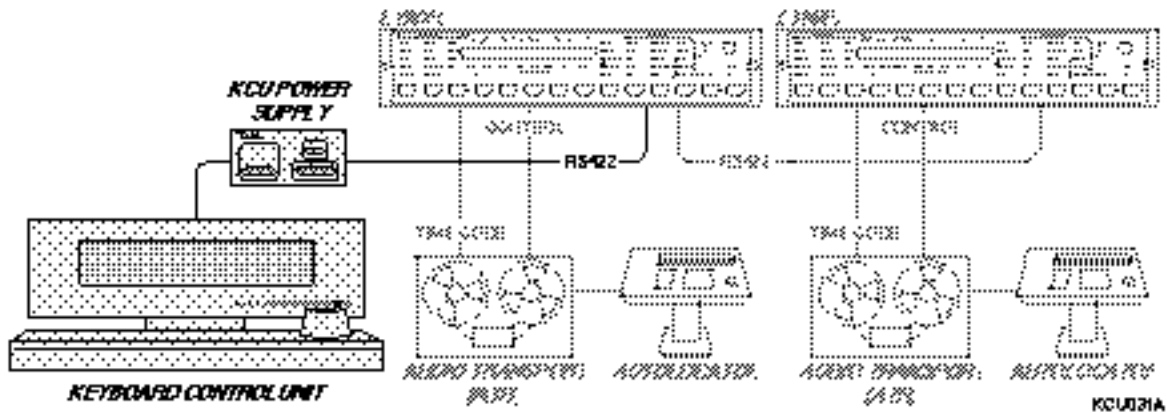


Figure Chapter 2 -1. Stand-alone Keyboard Control Unit

Typical Uses

The KCU adds editing control to multiple machine synchronization systems. The KCU provides a fast and convenient way to perform time code reading and synchronization. It can easily control frequently performed activities such as locating, entering offsets, slipping one tape machine against another, and doing automated edits.

Considerations

The KCU automatically calculates offsets based on machine positioning or register stored time code numbers. You may trim machine offsets with the Jog wheel trim function.

Stand-alone KCU with a VTR

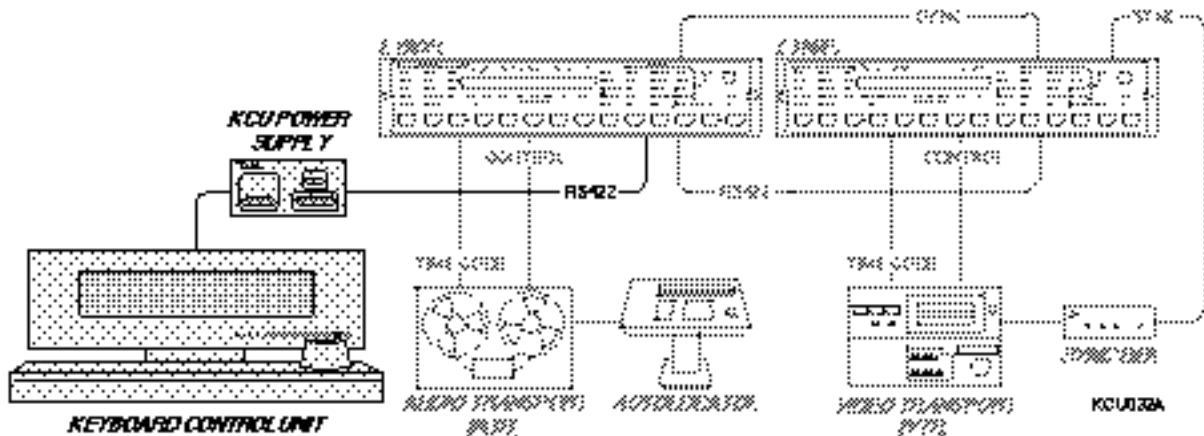


Figure Chapter 2 -2. Stand-alone Keyboard Control Unit with VTR

Typical Uses

TimeLine synchronizers are compatible with numerous video transports including standard 3/4" U-matic, Beta, S-VHS, open reel, and digital VTRs. With the KCU, video machines are always resolved, so they can be selected as master or slave in group machine operations. Track select for serial video machines, including video assembly modes, is available from the KCU calculator keypad.

Considerations

Use an external video sync source as a speed reference source for the Lynx modules and VTRs.

Varispeed and Gearbox Operations with the KCU

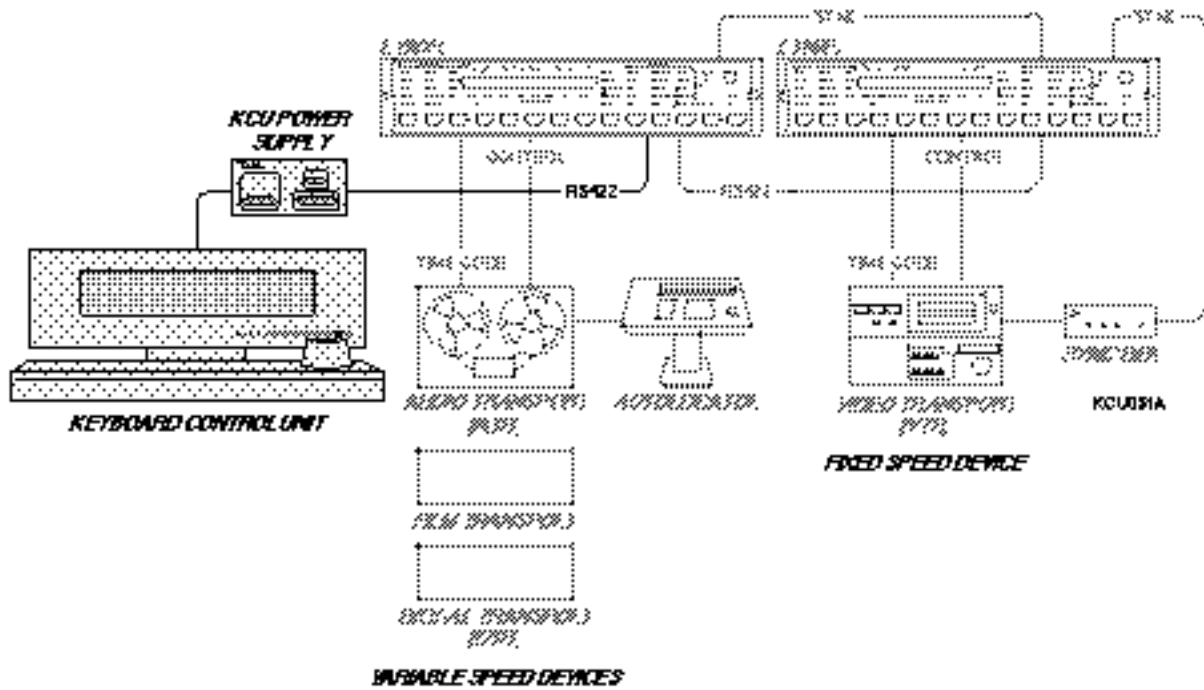


Figure Chapter 2 -3. KCU with Varispeed and Gearbox

Typical Uses

With the KCU, complicated varispeed and time code gearboxing can be controlled from the Keyboard Controller. Preset standard NTSC and PAL pull-ups and pull-downs are included, as well as a varispeed synchronizing range of $\pm 15\%$.

When the Gearbox is used, 30, DF, 25 and 24 time codes can run concurrently, while simultaneously using the Varispeed feature. All operations are accessed from the KCU status display, with multiple methods for entering varispeed and gearbox calculations available.

KCU and System Supervisor Unit (SSU) Operation

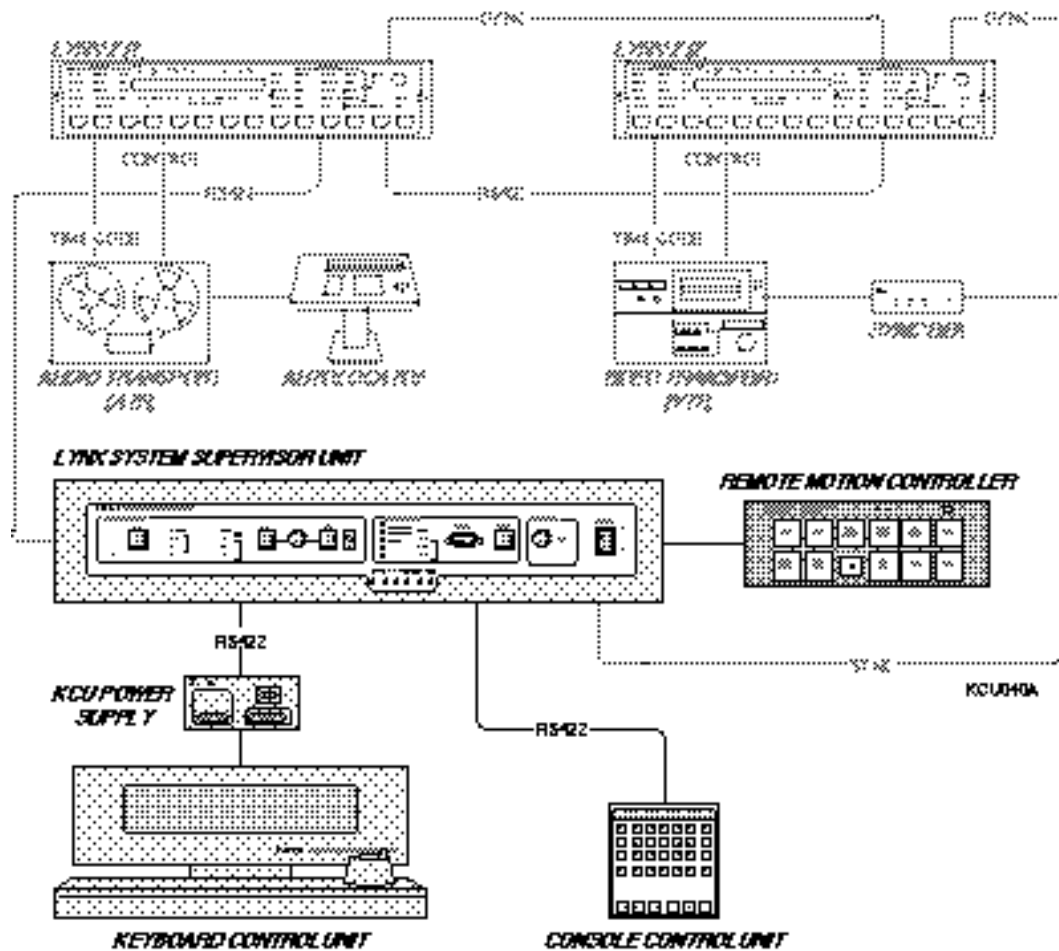


Figure Chapter 2 -4. Keyboard Control Unit and System Supervisor Unit Operation

Typical Uses

Use the KCU with the SSU for unparalleled control of audio, video, MIDI, and console automation systems. Because of the integrated system approach that TimeLine employs, everything can be controlled from the Keyboard Control Unit.

