Applications

Introduction

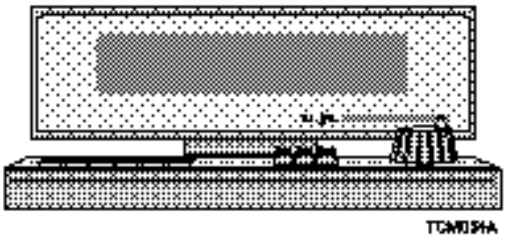
Many different types of audio and video equipment are available. Before you configure your Console Control Unit (CCU) you should decide how your system will be setup, and where the CCU will be mounted in your console. With the help of our dealers and customers, we have selected some of the most common configurations used in the industry. Please use these as a guide for configuring your equipment to meet your specific application.

An efficient, high performance system depends upon the quality and compatibility of the equipment being used.

Related TimeLine Products

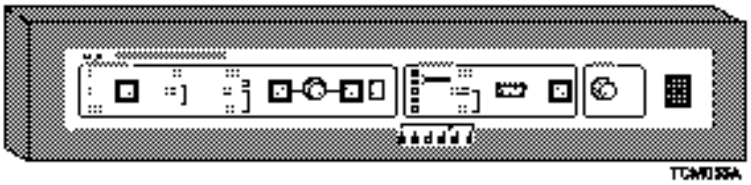
As you look through this chapter, keep some of our other products in mind. TimeLine products provide many solutions for your time code, controller, and synchronization requirements.

Keyboard Control Unit (KCU)



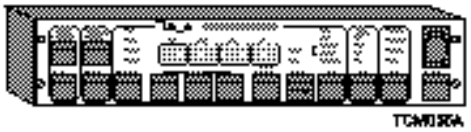
A powerful machine controller/editor for a wide range of multi-machine synchronization and audio editing, you can control up to six tape or film transports and two programmable GPI relay closures and six additional GPIs. You may operate any machine individually or any selection of available machines as a synchronized group, with any machine designated as the master.

Lynx System Supervisor



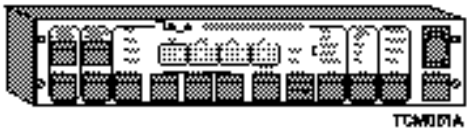
A System Supervisor (SSU) is *required* to operate one or more CCUs. The SSU provides console automation and audio post production, system integration. It brings an integrated system online with a limited amount of time and expense. All high-speed data communication for the entire system is handled with ease.

Lynx Film Module



Interfaces pulse-interlock film transports with tape transports and editing systems. You can synchronize any film chain with any video or audio transport.

Lynx Time Code Module



This is the main building block of the TimeLine synchronization and control system. Our new V500 software makes the module compatible with both stand-alone and controller dedicated units.

Use the Lynx as a high performance, time code synchronization and time code interface for audio video and DAT transports. It can operate as a time code reader, time code generator, synchronizer and resolver, or as an RS422 serial port.

Lynx SSL Data Interface for G Series Studio Computer

This is a special plug-compatible option, connecting the Lynx System Supervisor to operate from the SSL G Series console, allowing all operations to be controlled from the SSL console.

Micro Lynx System

Keyboard Controller (KBD)

Allows remote control of up to three machines plus MIDI. Used to enter editing and control parameters and status commands.

System Unit (SU)

Provides clock generator, time code generator, MIDI synchronizer, video sync, computer control ports, and GPI relays, as well as wide-band, high speed bi-directional time code reader.

Synchronizing Lynx in Chase Mode with a KCU

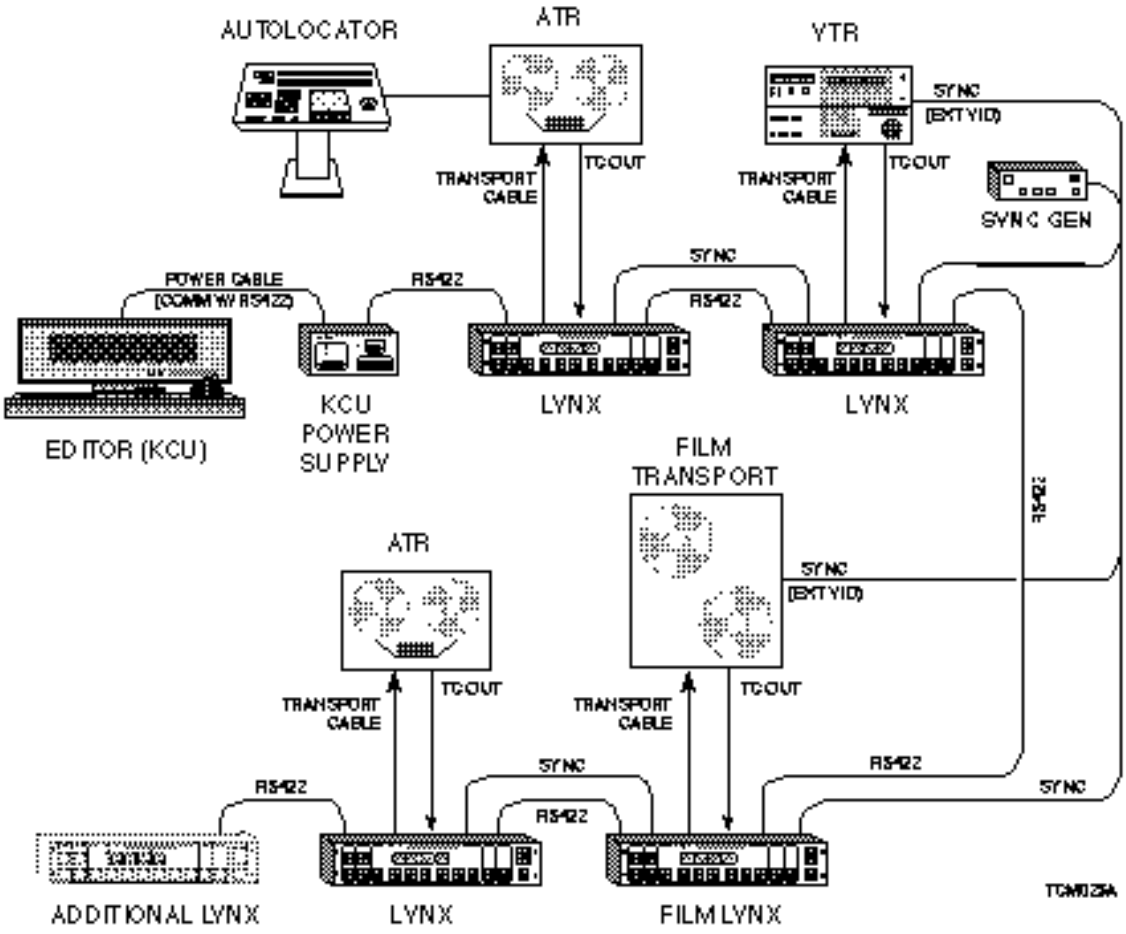


Figure 2-14. Synchronizing Lynx in Chase Mode with a KCU

Typical Uses

Typical applications include:

- Sound effects (prelay)
- Complex operations to picture
- Requirements for rapid entry of time code numbers
- Simple video editing
- Complex transfer applications
- Trim operations

Description

A KCU (Keyboard Control Unit) provides a convenient, fast way to perform Lynx functions. A Lynx module, without the KCU, can perform most of the following activities; entering offsets, setting real data entry points and entry numbers, selecting slew positions, selecting record tracks, establishing new positions quickly and then moving the tapes into position. However, many more key-strokes and some setup changes may be required.

If only some of these functions are desired, use the Console Control Unit (CCU) instead of the KCU.

Problems

If you are using External Video as a reference source, make sure that it provides a good, clean signal.

Post Production - Audio

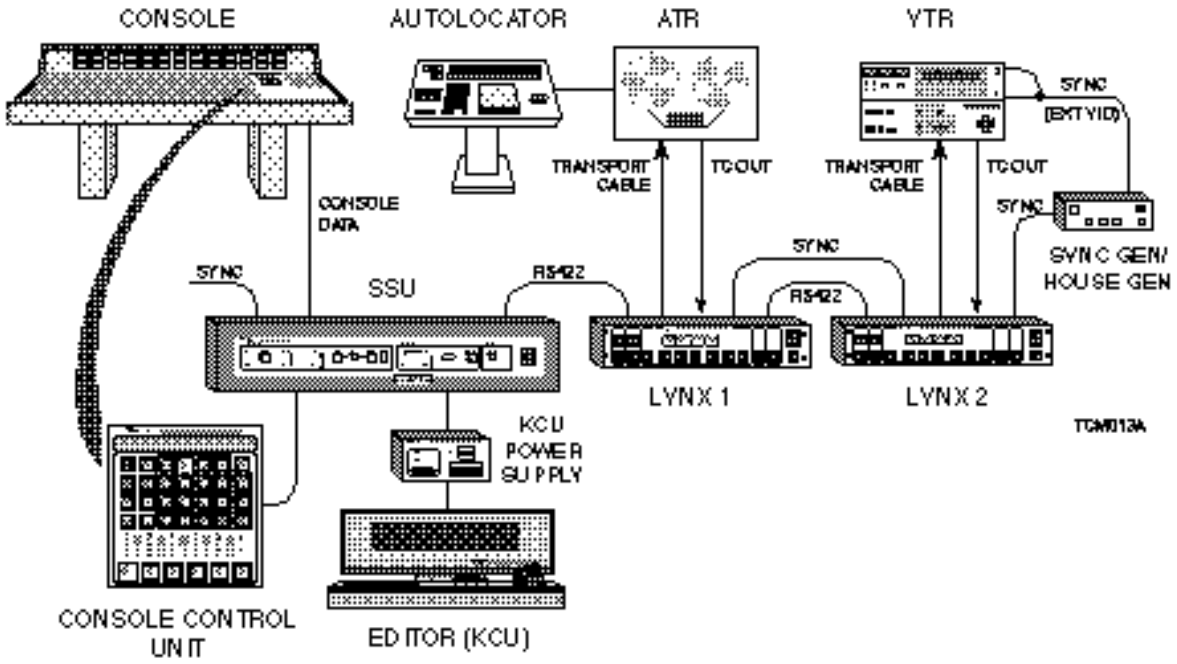


Figure 2-15. Post Production - Audio

Description

Lynx is compatible with numerous transports and types of console equipment. You can accurately control synchronization and mixing operations from a single place. Use the Lynx System Supervisor to connect multiple control units, and provide a direct software interface to many popular studio computer systems.

The CCU provides control for all basic control operations, such as track selection, group and solo modes, and register functions (preroll, post roll, in point, and offset). Several CCUs may be daisy chained for simultaneous local and remote operation.