

IMAGINE-Memory Lighting Control Systems

The Imagine memory lighting control system from ARRI (GB) Ltd marks a real breakthrough in performance and value for money for medium and larger sized studios and theatres.

Imagine is powerful

Available in two versions, at 250 and 500 channels, either can control up to 1000 dimmers. Memory is effectively unlimited, with 1000 cues per 3½" disc, and up to 28 different cues and special effects sequences may be played back simultaneously!

Imagine is intelligent

Although it has an awesome range of facilities, Imagine is never confusing. The operator panel is simple and logical, and the large, clear, colour monitors give continuous prompt messages, with on-screen HELP available for all functions, at the touch of a button. Even better, the screen messages can be customised for different languages and special applications.

Imagine is flexible

Viable for studios and theatre installations requiring up to 1000 dimmers, Imagine can be configured with a number of options, including several different levels of backup. ARRI's modular console design permits rapid service access, and modules can be easily incorporated into custom control room furniture.

And Imagine is reliable

ARRI Lighting Control products have acquired an unrivalled reputation for reliability, due to stringent engineering standards and well proven software design. In a world where anything less than the best is unacceptable, the ARRI Imagine clearly leads the field.

BASIC SPECIFICATION

Imagine 250

- 250 Control Channels
- 512 Multiplexed Dimmer Outputs
- Fully proportional softpatching
- 14" Colour Monitor, with OUTPUT, BLIND, FADER, TRACK SHEET, SOFTPATCH, SETUP and HELP display modes
- 1 A/B System Playback Pair
- 1 C/D System Playback Pair
- 24 Submasters, for manual or timed playback of channel groups or memories, with real time flashkeys and optional inhibitive operation.
- Powerful "Subroutine" software effects package
- Superb Live Effects system with two chasers and audio functions
- Unique "Tactile Feedback" Channel Control Wheel
- SMARTWATCH software, for real-time event programming
- Battery Supported Memory for 200 Cues
- 3½" Floppy Disc Drive to store (per disc) 5 "Shows", each comprising 200 cues, 24 submasters, softpatch and system setup information
- RS232C Printer Port

Imagine 500

- As Imagine 250, except:
- 500 Control Channels
 - 2 x 14" Colour Monitors

OPTIONS

- Additional processor card to extend patch to 1000 dimmers
- Second Colour Monitor (Imagine 250 only) to display all channels without paging.
- Portable 12" monochrome Monitor, for use in a remote location
- Remote Control Unit - for channel and cue control, including record and playback functions
- Alphanumeric keyboard for cue and show labelling
- High quality 80 column printer
- Integral 24 group backup system
- CONNEXION PLUS external backup and effects system
- CONNEXION Output Modules to receive Imagine's digital output, and transmit up to 96 analogue dimmer drive signals per module. Any dimmers with positive or negative control voltages up to 12.5 vdc can be driven.

Imagine is friendly and forgiving, and users quickly come to appreciate the logical and conversational style of operation, making cue writing clear, easy and very fast.

The Channel Control fader wheel feeds back information to the operator's fingers through a series of subtle tactile clicks. Other Channel Control features include **On**, a programmable reference level, **Group**, for proportionally manipulating memories via the channel controller, **Flash**, for identifying channels or groups, and **Solo**, for quickly isolating a channel or group in live output. Cue Control functions include

Link and Delay, which make child's play of automatic or multi-part cue sequences, split up and down **Fade Rates** from no time to 99:59 minutes, and a wide choice of **Fade Types**.

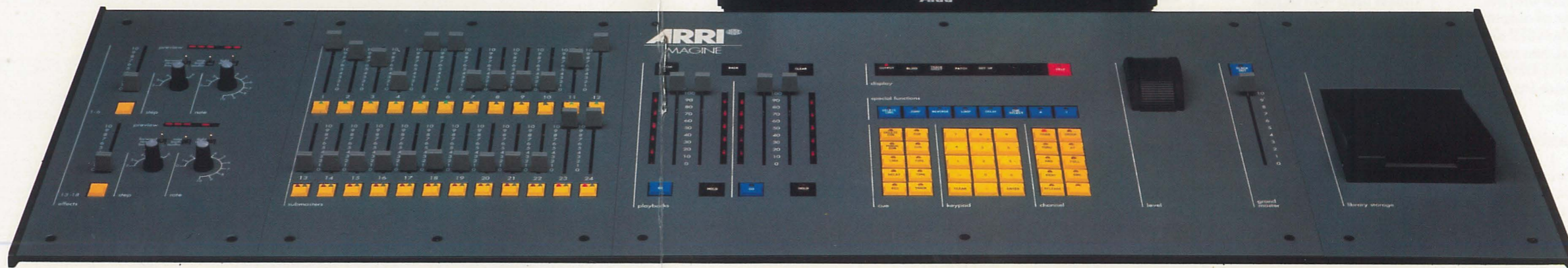
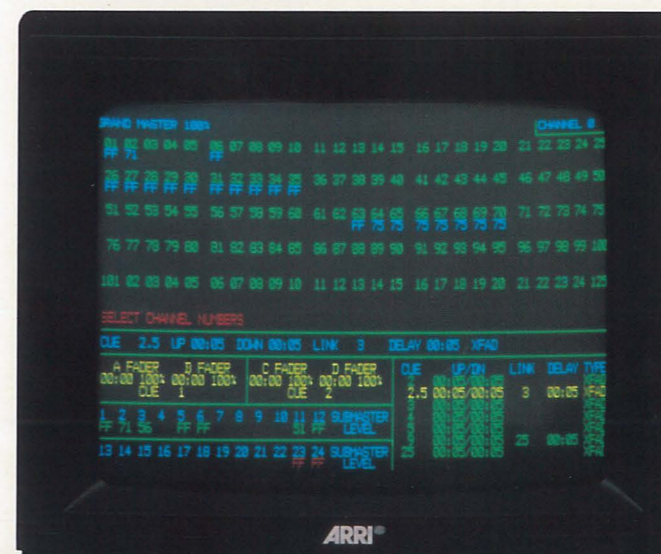
The Subroutine special effects programme allows the operator rapidly to construct complex sequences which may be thousands of steps long, and which can be faded smoothly in and out of either playback, with manual control of speed and intensity. Imagine's two Playback pairs are smooth and effective, allowing timed or manual crossfades, plusfades, subroutines and multi-part fades to play independently and concurrently, on a highest

takes precedence basis. The operator can override fades instantly, and a **Back** button can be used to return to the previous cue.

The 24 Submasters may be used as timed or manual playbacks, or as "building blocks" for fast recording of cues. Twelve of the Submasters

may also be used inhibitive, with a rapid keystroke sequence, giving fast access to problem keylights! Imagine's Colour Monitors are outstanding for their legibility, and for the variety of information available. As well as the usual **Output** and **Blind** displays, individual playbacks and submasters may be viewed and modified, using **Fader** mode, and global changes to individual channels may be made in the **Track Sheet**. A **Setup Menu** is available for system configuration and access to disc and print routines, and the **Softpatch Display** is a model of clarity! Helpful screen messages prompt the operator through all procedures, and a brief lesson for each function may be displayed on the screen when required. A new departure is the optional alpha keyboard, which may be used with the Imagine translation utility to set up a new language in the prompt and help messages, or just to add a short descriptive text to cue, show and dimmer numbers.

The 3½" Floppy Disc Drive is used for library storage, with up to five shows, each of 200 cues, per disc. A new show of 200 cues may be loaded from disc at any time, without affecting live output.



ARRI CONSOLES

ARRI Lighting Control Systems are housed in uniform modular consoles, with hinged front panels for ease of access. Modules may be supplied separately, for easy mounting in custom flight cases or control room furniture.

IMAGINE 500

Operationally, Imagine 500 has all the same features as Imagine 250, except that the larger number of channels require a different form of channel display, across two monitors.

IMAGINE 500

Showing optional CONNEXION PLUS auxiliary/effects system



System Printer

An 80 Column Line Printer may be used, to print Cue, Softpatch, Cuesheet and Submaster information, and the same printer may be connected to **Connexion Plus**, to print the backup system patch assignments.

Remote Control Unit

The Remote Control Unit is a rugged 36-key Rigger/Designer remote, with Channel, Cue and Playback functions and a clear alphanumeric display. The RCU also doubles as a keyboard to set up and select the softpatch tables in the **Connexion Plus** system.



Monochrome Monitor

A high quality green screen 12" monitor is available for remote use with the RCU, either as a lighting director's remote in the stalls or on the studio floor, or as a service tool in the dimmer room.

1000 Dimmer Option

Both the **Imagine 250** and **500** can be extended to drive up to 1000 dimmers, but additional electronics are required to deal with the higher number of outputs. When more than 512 dimmers are addressed, two parallel streams of USITT DMX512 dimmer data are transmitted to the dimmers.

Integral Connexion Backup System

No matter how reliable a system may be, in the unlikely event of a system failure, a backup is indispensable. The Integral Connexion backup

option uses the 24 submaster faders and live effects system to function as a manual, electronic matrix control system, on which up to 512 dimmers may be patched, at levels, to the 24 masters. In addition, a store of five alternative patch tables is available, giving a total of 120 backup groups. Note that a totally independent power supply is provided for the backup system.

Dual Processor Backup

A more comprehensive alternative backup is provided with the dual processor approach. In this case, two main processors are constantly running in parallel, so that, if one should fail, the other may immediately take over. Note that a totally independent power supply is provided for the second processor.

Connexion Plus Backup/Effects System

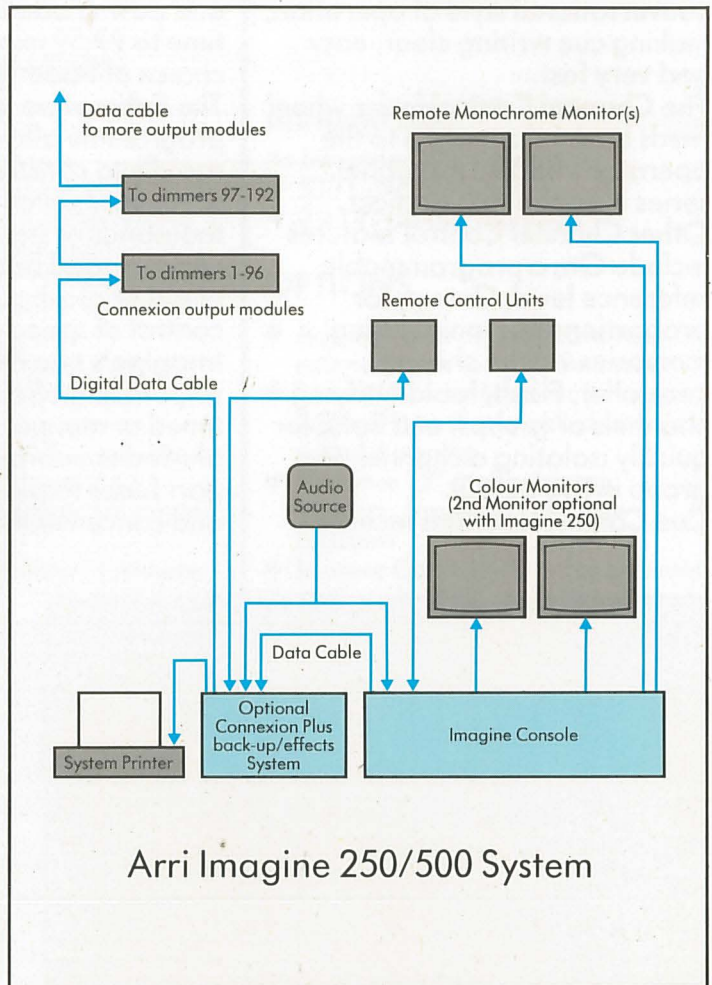
Connexion Plus is a powerful 24 group patching and live effects system, which piles on its output to that of the **Imagine**. This option, which may be combined with either of the internal backup systems, is particularly suited to TV studios, where **Connexion Plus** may be used as a separate effects controller, or as an independent lighting control system for use in multi-set studio situations.

Connexion Output Modules

Unless used with digital dimmers which accept USITT DMX512 digital data, one **Connexion Output Module** will be required for each block of 96 dimmers. The Output Module receives the digital data from **Imagine** or **Connexion Plus** and outputs 96 discrete analogue signals, which drive the dimmers. Any starting address from 1 to 512 may be set for the first output of each module, and any output voltage, positive or

negative, up to 12.5Vdc, may be used. The outputs may be diode decoupled, for adding to existing installations, or for

doubling up Output Modules, for additional security. (See **ARRI Connexion** literature for fuller details.)



Arri Imagine 250/500 System

Ordering Guide

Imagine 250, including one 14" Colour Monitor YA-I250
Imagine 500, including 2 x 14" Colour Monitors and interconnecting cables YA-I500
 1000 Dimmer Option, add suffix /K
 Second Monitor option for **Imagine 250** including additional electronics and 14" Colour Monitor, add suffix /M
 Dual Processor Backup, add suffix* /DP
 Integral Connexion 24 group Backup, add suffix* /B
 * Either Dual Processor or Connexion backup may be supplied, but not both.
 Connexion Plus Backup/Effects System YA-CXP/E

Monochrome Monitor YA-MM
 Remote Control Unit YA-RCUA
 Output Module YA-CX-AOM
 80 Column Line Printer and Cable YA-P80

Electrical

Voltage: 115/230Vac, 50/60Hz, set by voltage selector on rear panel.
 Power: 1-5 amps, depending on voltage and system configuration.

Mechanical

Console: 10951 x 400d x 90h
 Connexion Plus: 4251 x 400d x 90h.
 Construction: Steel and aluminium, Stove enamel finish.

Warranty: One Year. Detail available upon request. ARRI (GB) Limited reserves the right to alter specifications without notice.



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