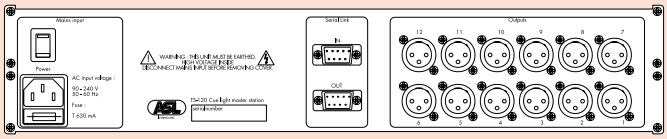
The ASL Cue Light system consist of one or more 12-channel Master Stations, the required number of Cue Light Receivers and a Preset Control unit (optional). The connection between Master Stations and Receivers is made by standard microphone cable (two conductors and one shield) with XLR-3 connectors.

TS 120 CUE LIGHT MASTER STATION

This 19"/2U unit contains 12 cue light channels, with an 'All selected channels GO' and a 'Clear' push button. Each channel of the TS 120 has an ATTN (attention) push button and a GO push button, accompanied by a bi-colour LED that is red illuminated in ATTN mode and green illuminated in GO mode. The unit may be connected to mains voltages from 100 - 240 V AC (auto select) 50/440 Hz.



(Rear panel)

Operating a channel

By pushing the ATTN button of a channel on the master station, the related ATTN LED on the master station and on the receiver starts blinking in a red colour. The addressed person may acknowledge the reception of the attention signal by pushing the ACKN (acknowledge) button on his receiver. The red ATTN LED's on both the receiver and the master station would now be lit continuously.
By pressing the GO button at the master station the red LED changes to green. The red ATTN LED on the receiver extinguishes and the green GO LED will be lit.

The 'All selected channels GO' push button

This button enables the user to simultaneously switch all the channels which are in ATTN mode into GO mode.

The 'Clear' push button

This button enables the user to clear all channels which have been switched to the GO mode, thus simultaneously making all these channels ready (clear) for setting the next cue.

TS 99 CUE LIGHT PRESET CONTROL

The TS 99 Preset Control is powered by the TS 120 via the interconnecting cable. It can hold a maximum of 100 presets, stored in non volatile memory. Each preset is a selection out of maximum 144 channels, obtained when twelve TS 120 master stations are linked (see below). Each preset has its page number, which is selected and displayed in the LED screen by using the 'up' and 'down' push buttons.

The ATTN and GO push buttons

These buttons activate the attention and go modes for all channels stored in the preset which is displayed in the LED screen.

Programming a preset

By pushing the PROGRAM button, the user sets the system in program mode. This mode is indicated by a yellow blinking PROGRAM button and allows the user to store and alter presets.

The Preset Preview button

By pushing this (momentary) push button, the system goes into preview mode. The user now sees on the master station all the channels which are stored in a particular preset.

Linking two or more TS 120 Master Stations

Master Stations can be interlinked via the D9 serial link connectors on the rear panel. Linking for instance 2 stations, a 24-channel cue light system is obtained. Up to 12 Master Stations can be linked, thus offering a 144-channel Cue Light system. For any multi-channel system, only one TS 99 Preset Control is needed.

TS 10 CUE LIGHT RECEIVER

This ABS box has a large red LED indicating the ATTN (attention) signal and a large green LED indicating the GO signal.

The ACKN (acknowledge) push button enables the addressed person to inform the operator at the master station that the attention signal has been noted, at which moment the red LED's change from blinking to continuously lit.

The TS 10 is powered by the TS 120 via the interconnecting cable, has its XLR connector at the bottom and comes with a wall mounting clip.

TS 2000 PAGING MASTER STATION

The TS 2000 is a master station, designed for one way communication to two separate circuits of paging speakers in for instance the lobby and dressing rooms of theatres or TV studios.

The unit has Paging and Program signal inputs, as well as an Emergency signal input. Each input is provided with a limiter. Two balanced audio signal outputs are provided to feed (70/100V) amplifiers. In case of more than two paging areas, additional TS 2000's can be linked.
The unit contains a digital chime, which can be triggered by the push button at the paging microphone console or (automatically) by an emergency signal which appears at the unit. However, with a dip switch the chime can be disabled for paging and/or emergency operation.
The TS 2000 is available in either 115V or 230V +/-10% AC 50/60Hz versions.

There are three different operating modes: 'Program', 'Paging' and 'Emergency' mode. Internal control logic manages operation modes, source/destination selection, chime triggering and the 'volume control override' signal. For each mode the output levels of the concerning signals can be adjusted by volume control trimmers on the front panel, separately for zone A and B.

Program mode

The unit operates in this mode after being switched on and when there is no signal present at the Emergency input. The Program input signals are routed to the outputs of the TS 2000.

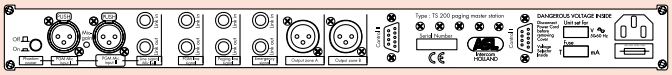
Paging mode

This operating mode is enabled by the internal control logic, when triggered by push buttons (one for each zone A and B) at the paging microphone console(s) or by other external switches. The Paging input signal and the Program input signals (mic and line) are routed to the output of the TS 2000 as selected at the paging microphone console. Output levels of each input signal can be adjusted (mixed) by controls on the front panel, separately for each zone A and B. In Paging mode, a 19 kHz signal is sent to the outputs of the unit. It triggers the 'volume control override' electronic circuitry (when installed) at each connected paging speaker.
By pushing a paging button on the paging microphone console, the built-in digital chime is activated and the chime signal will be routed to the selected output.

Emergency mode

The Emergency signal is routed to both outputs of the TS 2000. Program and Paging signals are muted automatically. The Emergency signal output level can be adjusted by controls on the front panel, separately for each zone A and B. This operating mode is enabled by the internal control logic, when triggered by the presence of an audio signal at the emergency signal input or by an external switch.
In Emergency mode, a 19 kHz signal is sent to the outputs of the unit. It triggers the 'volume control override' electronic circuitry (when installed) at each connected paging speaker.

(Rear panel)



PM2 / PM4 PAGING MICROPHONE CONSOLES

These consoles have a paging microphone and push buttons for area select / mic-on. The push buttons may simultaneously trigger 'volume control override' circuitry (when installed) at paging speakers and the digital chime built into the TS 2000.

On the console a large LED is provided indicating whether the chime is active and a large LED indicating when the microphone can be used for paging. The paging mic signal is fed to the TS 2000 via a microphone cable, the paging control signals are fed to the D9 connector at the TS 2000 via a multiwire. The PM2 has two push buttons, the PM4 has four push buttons.

SPC PAGING SPEAKER CONTROL UNIT

This device may be connected to 70/100 V paging speakers, often used in dressing rooms or other artist/talent areas. It contains a speaker volume control to adjust the listen level of the Program signal and 'volume control override' electronic circuitry, offering the stage manager one-way communication, disregarding whether the listeners have turned down the level of their local speaker(s).