

[Online Tempus M.24 datasheet](#)

NB: This information relates to the first model M.24 with maximum 60 channels.

PLEASE NOTE: This brochure describes the second version of M.24, from around 1984. The earlier version had a maximum of 60 channels. In 1984, this was increased to 72 channels (maximum 155 memories). There's an additional expansion kit to add extra memory to control 120 channels with 199 memories. M24FX was expanded at the same time to control 120 channels.

SALES INFORMATION - From Strand Lighting brochure RS10M75884



M24 grows with your lighting ambitions

*"Flexible!..." "Phenomenal!..."
"Exciting!..." "Opening new horizons!..."*

Strand's design expertise instantly found fame with a new generation of delighted memory lighting control users when M24 was introduced for smaller theatres and TV Studios.

Sho how could we improve on the best? We asked the users - what more must M24 do for you? More facilities, more options?.. No.

"Just give us more channels!"

So we've extended M24's impressive capabilities to provide control of up to 120 channels. And we've also increased the memory capacity to 199 for the larger systems. But with all this excitement about larger M24 control systems, we have not forgotten the users for whom M24 brings professional standard memory control finally within reach. The basic console controls up to 72 channels, and, along with all existing M24s, may be extended at any time to the maximum channel size of 120.

Tempus M24 grows with your lighting ambitions - and with your lighting installation!



Where will M24 be used?

Small theatres and public halls, TV studios, amateur drama clubs, large schools and colleges, outside broadcast vehicles, conference and exhibition centres - in fact any situation where sophisticated lighting has to be set up and then reproduced on demand.

What will M24 do?

It will control up to 72 channels or, with the special "expansion module", up to an amazing 120 channels. You can then record each lighting cue in M24's internal electronic memory, and recall them during the performance to fade up automatically or manually. You will be able to control simultaneously up to six different cues, all at different recorded speeds, or a sequence of 50 or more timed cues, running automatically one after the other. Try that on your manual desk!

Is M24 simple to operate?

Yes - M24 follows long established Strand traditions of providing all the features needed whilst avoiding any unnecessary gimmickry or complication. When spontaneous changes are needed in the midst of the action, there is no time to look for an operator's handbook: the advanced programme of M24 - developed from Galaxy 2, Strand's most sophisticated memory system - ensures that you can instantly override even the most complex multi-part fade... simply !



Click on image to enlarge

How many memories do I get?

This depends on the channel size of your system. 24, 36 and 48 channel M24s all have 199 memories. 60 channel systems have 185, and with 72 channels, 155 memories are provided. The expanded 96, 108 and 120 channel M24 desks all have 199 memories.

Can I expand my 60 channel M24?

Yes - and two options are open to you. Either expand your M24 to 72 channels to make full use of your three 24 channel demultiplex interface units, or alternatively, with the addition of the "expansion module" and extra demultiplex units (or multiplexed dimmers), your system can grow to the full 120 channels. Contact your local dealer for details.

What does Multiplex mean?

It can mean the end to multicore cables connecting the dimmers to the control desk! M24's output is a coded signal which sends all 120 channel intensities along a single 2 core screened microphone-type cable to the dimmers. If the dimmers are Strand Act 6 or Permus Multiplexed types, then the control wiring is simply a matter of connecting a two core cable to the first rack and looping the cable to each of the other racks in turn. Many types of dimmers and manual controls can be connected to the M24 system with the aid of 24 channel demultiplex interface units, which encode the M24 multiplex signal for each separate dimmer channel. So multiplexing can reduce the cost of installation, and simplify the wiring for the largest temporary lighting rig.

Will M24 make my existing manual system out of date?

No - it gives a whole new use to your existing desk.

Can I record from a manual control desk?

Yes - any existing Strand manual desk (unless it really is a museum piece!). Desks from other manufacturers are also often compatible. Please enquire.

Will M24 store lighting plots for Repertoire?

Yes - it will transfer a complete plot, channels, cues and even timed fades if required onto a standard home audio tape using any reasonable domestic cassette recorder.

Thus plot storage no longer involves costly high-quality computer floppy disc drive units, let alone specially formatted discs.

Cassettes from your local record store can form your plot library. This also means that you can easily - and cheaply - make a security recording of your lighting plot at a rehearsal without worrying that the next board operator who has a "Record Lock" key might record over your carefully balanced lighting plots.



Is M24 portable?

Yes! It is small (530 x 360 x 190mm and light-weight, only 8.1kg including cover). Control connection is multiplexed to dimmers by a single twin core screened flexible cable.

Thus the M24 is its own stalls control desk for lighting rehearsals.

What about effects?

Yes! With the optional effects desk you can make up to eight separate groups of lights and then control them either electronically or by their manual faders. Come Saturday night M24 goes disco with flash, chase and sound to light.

Does M24 have a video display option?

Yes - you can use any 625/525 line TV set to preview cues or check memory content. For those who want the very best, a special high resolution VDU monitor can be used. However, a VDU is not a vital part of the system, as

the M24 was designed to be operated simply on information displayed on the desk by LED's. VDU or not, the choice is yours.

Do we need new dimmers?

Most unlikely - M24 will operate all Strand thyristor dimmers and many from other makers.

Is M24 "user friendly"?

It's downright user affectionate! If you can operate a pocket calculator M24 will take you fifteen minutes to understand. Then you can begin to explore the subtleties and refinements that make M24 a real operator's system.

How can I find out more about M24?

Contact Strand or your Strand dealer for a demonstration or send for our technical data sheet which gives a step by step description on operating M24.

And, finally - can we afford our own M24?

Almost certainly Yes! Contact Strand or your local dealer.

The choice is yours to take as much, or as little as your situation needs. But only the quantity changes - the

quality is constant.



This compact, lightweight control offers a choice of 24, 48, 72, 96 or 120 channels, and the facility to record up to 199 lighting states. It can be used as an independent new system, or as an extension to an existing manual system.



The complementary M24FX unit expands the M24 to provide basic submaster grouping. It also provides a comprehensive special effects system, and can be used as a back-up for the main desk.

From Strand Lighting catalogue (undated)