

AMC



**Advanced Manual Control,
the modular, multi-preset,
multi-group lighting control**

RANK STRAND ELECTRIC

AMC

Advanced Manual Control,

is the multi-preset, multi-group lighting control incorporating, as standard, all the extra facilities required for today's and tomorrow's style of lighting – such as a dipless crossfader and selectable inhibit/independent grouping.

AMC is based upon 10-channel modules with 3-presets, each with selection to 3 groups. A combination of these 10-channel modules is linked to a Master module with a dipless crossfader controlling the group master faders for the nine groups. In addition there is further flexible selection of any channel to an inhibit master fader, or to a direct source independent of all group mastering, even the grand master fader.

AMC modules are totally self-contained requiring only plug-in connection to the inter-module cable. This modularity allows great variety in the layout to suit local circumstances and for free-standing desk, wing or wall-mounted polished wood enclosures.

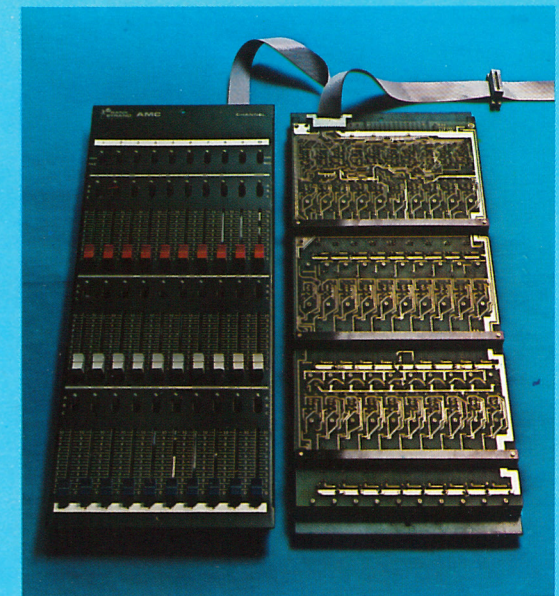
AMC modules, and facilities, are also available built into strong, but lightweight, cases designed especially for the rigours of touring.



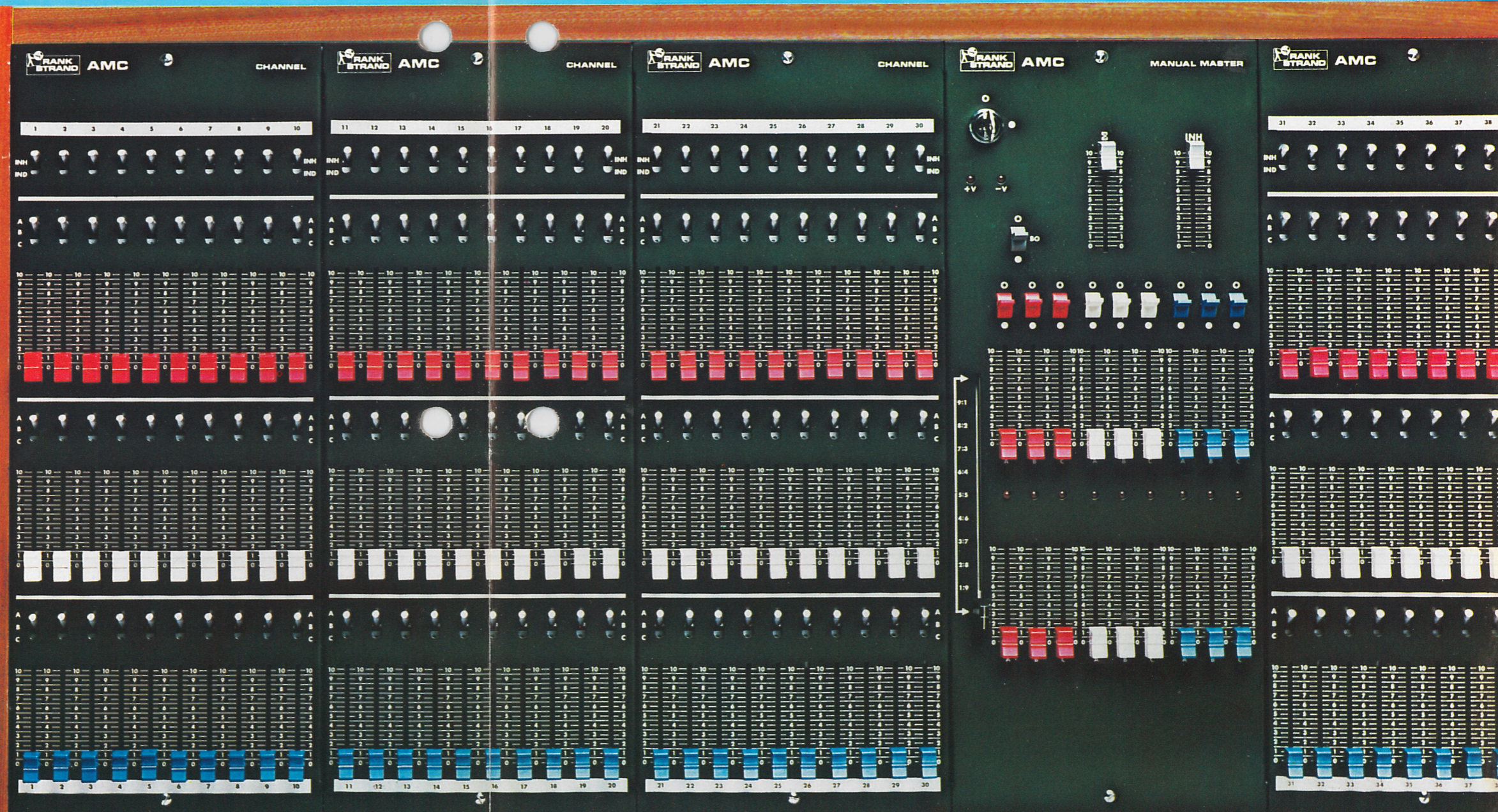
The Channel Module has 10 consecutively numbered control channels. Every channel has three preset fader levers, a Red, a White and a Blue. Each preset fader has a 3-position switch, mounted immediately above, to select that fader to the A, B or C group. Thus a total of nine groups can be formed. In addition there is another 3-position switch for each control channel, mounted near to the top of the module; when this is in the top position the channel functions normally, but if changed to the mid position that channel is routed to the overriding control of the inhibitor (INH) group. This has an additional master fader to progressively inhibit the response of selected control channels on any of the three presets, or their A, B and C groups. The third position of the upper switch, selects the channel to independent (IND) to allow direct manual control by the Red preset fader, but independently of all group and other master faders and switches – in these circumstances the A, B, C channel grouping, and the White and Blue preset faders are inoperative. The total number of control channels required is obtained by repeating the 10-channel module up to the practical, and ergonomic, maximum of twelve.

Each AMC needs one Master Module. The A, B and C groups for the Red, White and Blue presets each have two group master faders – one bank associated with each end of the long-travel crossfader situated on the left-hand side. Each group also has a Blackout switch and an indicator to provide a quick visual reminder of which are active. The method of mastering* employed ensures that any group, or groups, can be cross-faded with any others without any unwanted change to control channels set to the same intensity in both the incoming and outgoing lighting, but linear for all channels that should change. Groups can be pile-added with the highest intensity level taking precedence – levels are not distorted by summing to a higher level than that set. The Master Module also has a power-on keyswitch, power supply indicators, a Dead Blackout switch and a Grand Master Fader to control proportionally all channels except those selected to independent (IND). The inhibit (INH) master fader determines the maximum intensity level of those channels selected to the inhibit group and thus greatly simplifies the operation of most two-part lighting changes. As an alternative to the Manual Master Module illustrated there is a Timed Master Module. This is the same size and has the same facilities except that the effect of the dipless crossfader can be electronically delayed to take up to 60 seconds or minutes. The timing required can be preset, accelerated or retarded on an extra time fader with seconds/minutes switch. A column of indicator lamps, alongside the scale of the crossfader, shows the progress towards completion of the crossfade.

*Pile Limited Additive Mastering – patented.



Front and reverse side of shallow 10-channel module, with the plug-in ribbon cable which links all modules to the master module.



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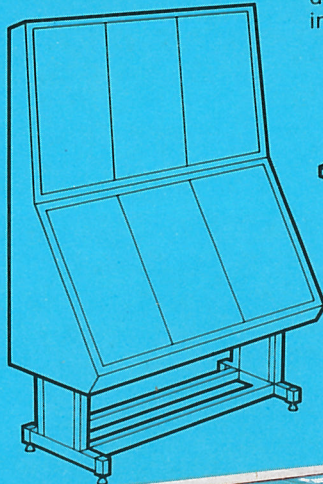
DESK

Width	5-module	1070mm, weight 30 kg.
	7-module	1475mm, weight 50 kg.
	9-module	1885mm, weight 70 kg.
Height, with base		820mm
	without base	200mm
Depth, with shelf		750mm
	without shelf	550mm

The basic single-tier enclosures house either 5, 7 or 9 modules and can be wall-mounted where the floor area available is very limited. A free-standing desk, as illustrated on page 2, is formed by adding a desk base, and a shelf.

WING

Width	2 x 3-module	660mm
	2 x 4-module	865mm
Height, with base		1340mm
	without base	1060mm
Depth		470mm



An alternative arrangement, especially suited to 80 or more control channels, is a 5 or 7 module desk with base, housing at least the Master Module, supplemented by one or two double-tier wings each for a total of either 6 or 8 channel modules. A wing can be mounted on a suitable wall, or supplied with a wing base to form a free-standing unit.

External connections to the Thyristor dimmers are from clamp type terminal blocks which plug in to the rear of channel modules. If specified, internal wiring can be fitted to multi-pin sockets at the right or left hand side. Portable, touring desks have multi-pin sockets for fast interconnection.

