

coemar

Panorama Cyc Power

**instruction
manual**

1st edition, november 2000

Panorama Cyc Power

numero di serie/serial number

data di acquisto/date of purchase

fornitore/retailer

indirizzo/address

cap/città/suburb

provincia/capital city

stato/state

tel./fax/

*Prendete nota, nello spazio apposito, dei dati relativi al modello e al rivenditore del vostro **Panorama Cyc Power**: in caso di richiesta di informazioni, pezzi di ricambio, servizi di riparazione o altro ci permetteranno di assistervi con la massima rapidità e precisione.*

*Please note in the space provided above the relative service information of the model and the retailer from whom you purchased your **Panorama Cyc Power**: This information will assist us in providing spare parts, repairs or in answering any technical enquiries with the utmost speed and accuracy.*

ATTENZIONE: la sicurezza dell'apparecchio è garantita solo con l'uso appropriato delle presenti istruzioni, pertanto è necessario conservarle.

WARNING: the security of the fixture is granted only if these instructions are strictly followed; therefore it is absolutely necessary to keep this manual.

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Congratulations on having purchased a **coemar** product. You have assured yourself of a fixture of the highest quality, both in componentry and in the technology used. We renew our invitation to you to complete the service information on the previous page, to expedite any request for service information or spares (in case of problems encountered either during, or subsequent to, installation). This information will assist in providing prompt and accurate advice from your **coemar** service centre.

1. Packaging

Following the instructions and procedures outlined in this manual will ensure the maximum efficiency of this product for years to come.

Open the packaging and ensure that no part of the equipment has suffered damage in transit. In case of damage to the equipment, contact your carrier immediately by telephone or fax, following this with formal notification in writing.

packing list

Ensure the packaging contains:

1 **Panorama Cyc Power**

1 instruction manual

2. Transportation

The **Panorama Cyc Power** should be transported in its original packaging or in a **coemar** approved flight case.

In order to manufacture a suitable flight case, we recommend the following simple procedure be followed, which will stop movement of the **Panorama Cyc Power** during transportation

3. Important safety information

Fire prevention:

1. **Panorama Cyc Power** utilises two Philips MSR 575/2 or MSD 575 lamps; the use of any other lamps may damage the unit and will automatically void the warranty.
2. Never install the unit on flammable surfaces.
3. Minimum distance from flammable materials: 0,5 m.
4. Minimum distance from subject being illuminated: 2 m.
5. Replace any blown or damaged fuses only with those of identical values. Refer to the schematic diagram if there is any doubt.
6. Connect the projector to mains power via a thermal magnetic circuit breaker.

Prevention of electric shock:

1. High voltage is present in the internals of the unit. Isolate the projector from mains supply prior to performing any function which involves touching the internals of the unit, including lamp replacement.
2. For mains connection, adhere strictly to the guidelines outlined in section 6 of this manual
3. The level of technology inherent in the **Panorama Cyc Power** requires the use of specialised personnel for all service applications; refer all work to your authorised **coemar** service centre.
4. A good earth connection is essential for proper functioning of the projector.
Never operate the unit without proper earth connection.

Protection against ultraviolet radiation:

1. Never turn on the lamp if the lense, the filters or the aluminium housing is damaged; they will only work effectively if the are in good condition.
Never look directly into the light beam when the lamp is on.

Safety:

1. The projector should always be installed with bolts, clamps, and other fixings which are suitably rated to support te weight of the unit.
2. Always use a secondary safety chaing of a suitable rating to sustain the weight of the unit in case of the failure of the primary fixing point.
3. The external surface of the unit, at various points, may exceed 150°C. Never handle the unit until at least 8 minutes have elapsed since the lamp was turned off.
4. Always replace the lamps if any physical damage is evident.
5. Never install the fixture in an enclosed area lacking sufficient air flow; the ambient temperature should not exceed 35°C.
6. A hot lamp may explode. always wait for at least 8 minutes to elapse after the unit has been turned off prior to attempting to replace the lamp.
Always wear suitable hand protection when handling the lamp.

4. Lamp: Installation and replacement

Panorama Cyc Power utilises two Philips 575/2 MSR or MSD 575 da 575W with GX 9,5 lamp bases. The lamps are available from your authorised **coemar** sales agent.

coemar cod.	105245/2	coemar cod.	105215
power	575 w	power	575 w
luminous flux	49.000 lm	luminous flux	43.000 lm
colour temperature	7.200° K	colour temperature	6.000° K
lampbase	GX 9,5	lampbase	GX 9,5
approximate lamp life	1000 hours	approximate lamp life	3000 hours

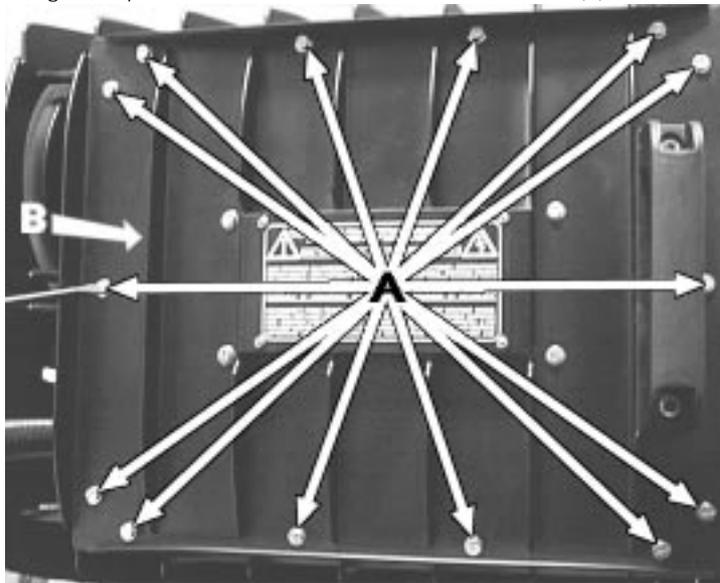
Attention!

Remove mains power prior to opening up the unit.

The fixture's internal temperature can reach 250° C after 5 minutes, with a maximum peak of 350° C; ensure that the lamp is cold prior to attempting removal. The fixture should be allowed to stand and cool for 10 minutes prior to its removal. MSR and MSD lamps are part of the mercury vapour family of discharge lamps and must be handled with great care. The lamp operates at high pressure, and the slight risk of explosion of the lamp exists if operated over their recommended life.

installing the lamps

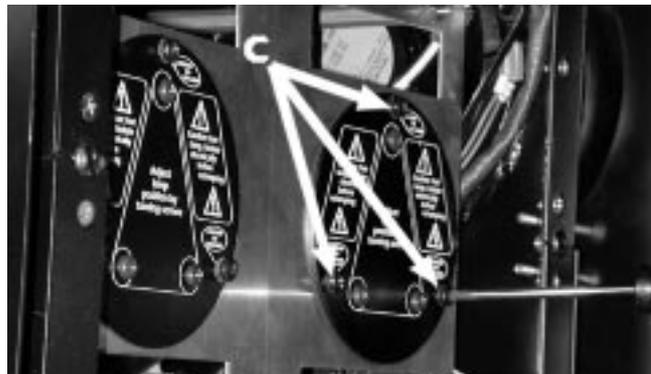
- 1) Using a Philips head screwdriver, remove the 14 screws (A) which affix the rear housing (B) of the projector .



- 2) Using the attached handle, remove the rear housing (B) of the projector, to which the lamp assembly is attached.

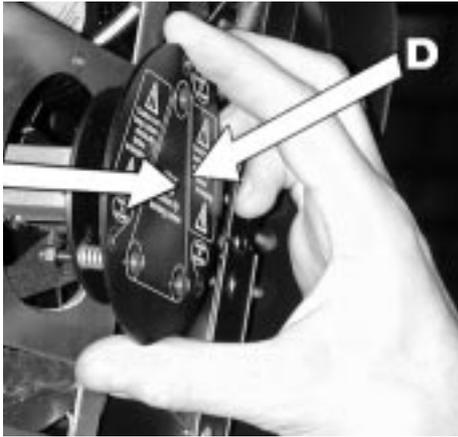


- 3) Identify the two lamp assemblies, right and left, and, using a Philips head screwdriver, remove the three screws (C) which affix the lamp assembly.

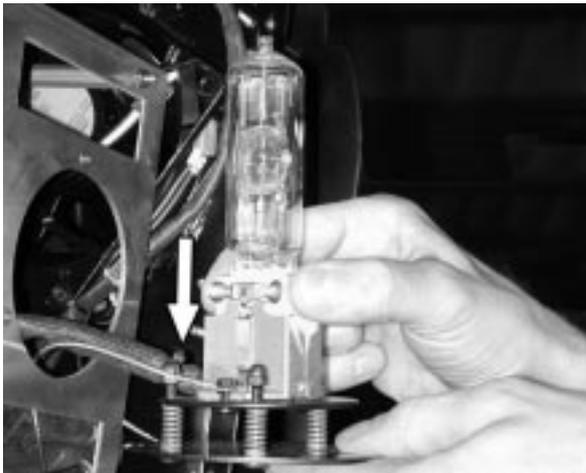
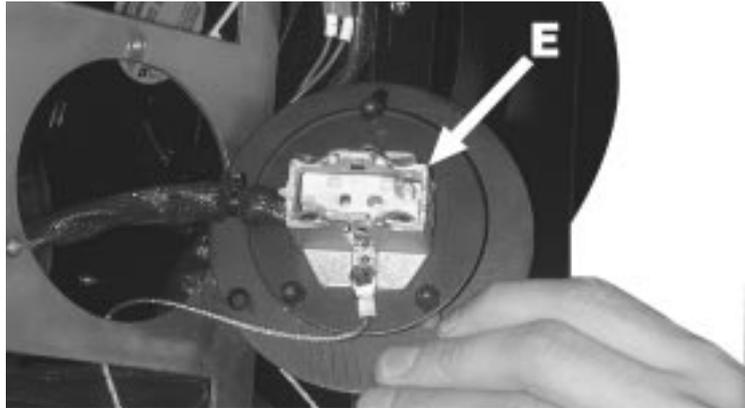


English

4) Remove the lamp assembly (**D**).



5) Locate the lampholders (**E**)



6) The lamps used are manufactured from quartz glass and should be handled with care; always adhere to the instructions supplied in the packaging. Never touch the glass directly, use the tissue provided in the lamp's packaging. The GX 9,5 lampbase is symmetrical in construction so the lamp may be positioned easily. Insert the lamps into the lampholders. DO NOT USE UNDUE FORCE. In case of difficulty, simply rotate the lamps and repeat the procedure.

7) Reposition the lamp assembly and replace the 3 screws removed previously.



8) The procedure described above is applicable for installation of either one or of both lamps.

Attention: DO NOT secure the rear housing on the projector without first undertaking the realignment of the lamps in the respective optical trains. This ensures that no internal parts are overheated due to incorrect focusing. Refer to section 13 of this manual for instructions regarding lamp alignment.

5. Operating voltage and frequency

The projector may operate at 208, 230 or 240 V.at 50 or 60 Hz.

coemar factory presets (barring specific requests), a voltage of 230v and a frequency of 50Hz. The operating voltage and frequency of the unit is noted in the appropriate space on the lable affixed to the base of the projector

factory set
main at:

- 208V
- 230V
- 240V
- 50Hz
- 60Hz

If the operating voltage or frequency does not match that of the country in which you are operating the unit, proceed as follows.

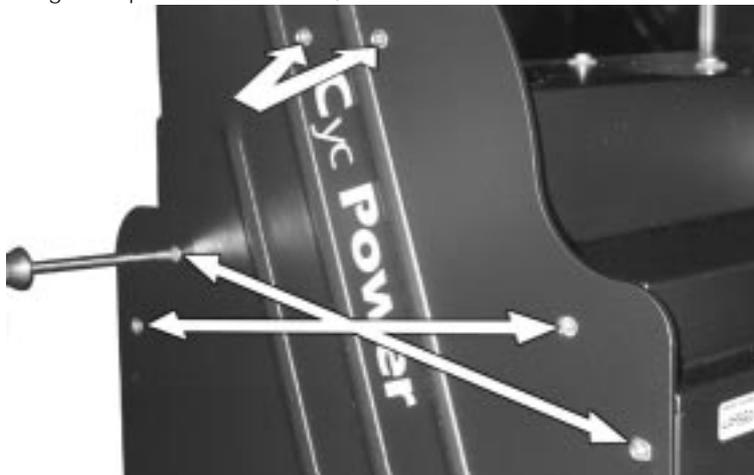
The operating voltage and frequency must be set both on the ballast (lamp voltage) and the transformer (electronics voltage).

An error in setting the correct operating voltage or frequency may cause serious damage to the unit.

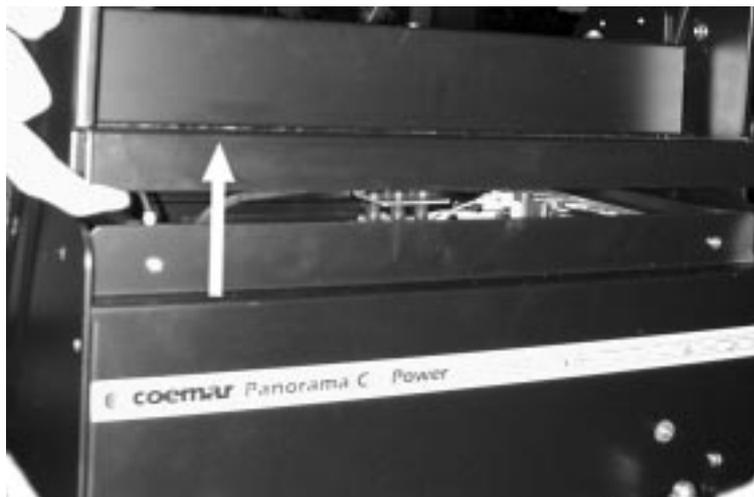
5.1 Selecting an operating voltage and frequency for the lamp to other than that preset by coemar (this procedure is reserved for technical personnel)

This procedure will determine the operating current drawn by the lamps after they have been ignited; the correct value is 6,95 Amps. You must set the operating voltage or frequency suitable for the country in which the projector is being used.

1) Using a Philips head screwdriver, remove the 4 screws which affix the housing cover located on the side of the unit's base.

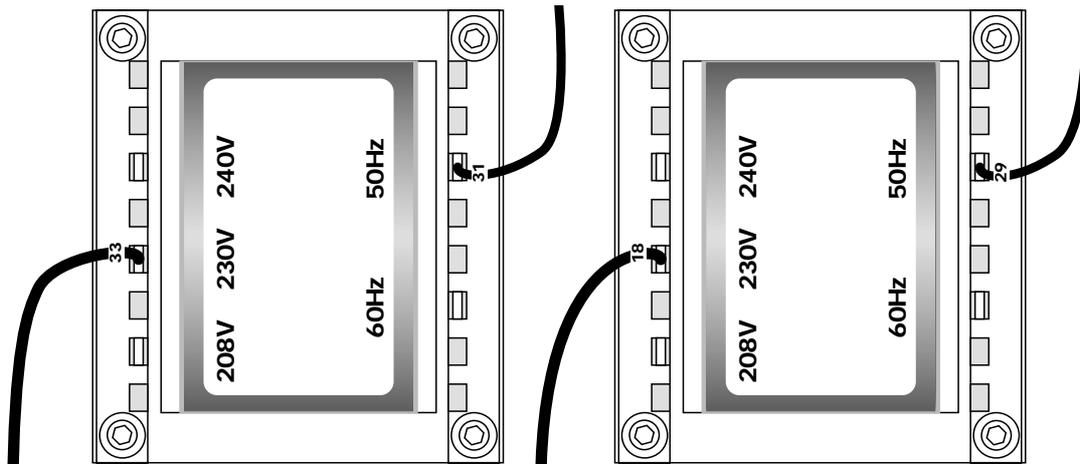


2) Remove the cover.



English

- 3) Locate the terminal strip marked with a sticker showing 208/230/240 V and 50 or 60Hz; the cables attached here at those which you will need to move.
- 4) Cables 33 and 18 determine operating voltage, move these to either the 208, 230 or 240V terminals of the ballast.
- 5) Cables 31 and 29 determine operating frequency, move these to either the 50 or 60Hz terminals of the ballast.

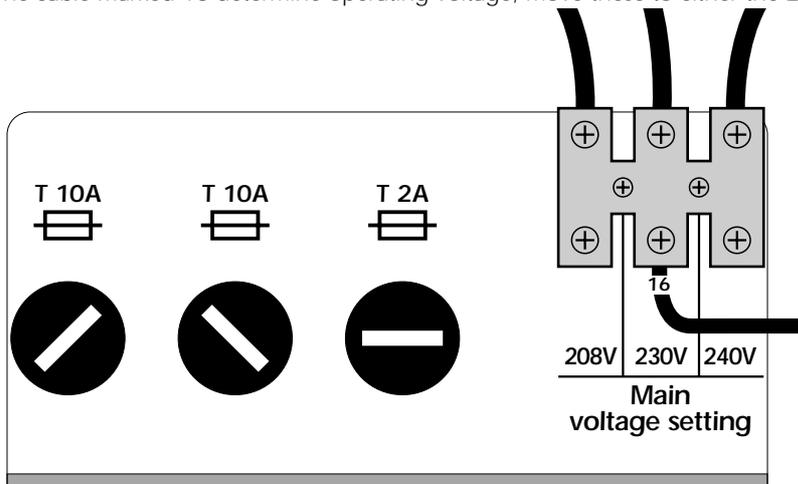


- 6) After having moved the cables to the required position for the operating voltage and frequency you require for the lamps, follow the instructions located in the next section below for selection of the operating voltage of the transformer.

5.2 Selecting an operating voltage for the transformer (this procedure is reserved for technical personnel)

The selection determines the operating voltage for the projector's electronics and movement motors. You must set the operating voltage suitable for the country in which the projector is being used.

- 3) Locate the terminal strip identified in the diagram below.
- 4) The cable marked 16 determine operating voltage, move these to either the 208, 230 or 240V terminals.



- 5) After having moved the cables to the required position, re-close the base of the projector as per its original condition.

To maintain the protection rating of the unit, the 4 screws need to be refastened gradually and firmly to ensure that they seal the unit but do not damage the seal.

6. Installing the unit

Panorama Cyc Power, due to its high protection rating, may be mounted in any position either sheltered from or exposed to the elements.

6.1 Installing the unit in weather-protected areas



Panorama Cyc Power may be situated in any mounting position when operated in sheltered areas.

So that it can be used in a variety of positions, the **Panorama Cyc Power** is fitted with four rubber feet on its base which may, as you will note, be removed should you wish to permanently install the unit by affixing the base to solid surface.

When hanging the unit, ensure that the suspending structure is able to safely take the weight of the unit. Suspending the unit via clamps is particularly simple when using the optional mounting plate, as shown in the diagram it offers a secure and safe mounting method.

6.2 Installing the unit in exposed areas

Panorama Cyc Power may be situated in several mounting positions when installed in an exposed area, thanks to its IP 44 protection rating. To ensure proper installation, however, there is a simple guideline to follow:

Attention!

As indicated in the diagram, the base of the unit must always be facing the ground.

The lamp head of the **Panorama Cyc Power** may be adjusted from -35° to $+75^{\circ}$ without having to move any other component except the head of the fixture.

Installation in any position other than with the base down, will cause the projector to not perform with its maximum protection rating, although, with adequate covering, it may operate in almost any position.

Installing the unit incorrectly may cause damage to occur and will immediately void the warranty.

safety chain

When hanging the **Panorama Cyc Power** we recommend the use of a safety chain (cod. 069), affixed to both the base of the **Panorama Cyc Power** and to the suspension device.

This secondary safety attachment should be done using either a metal wire rope or a metal chain, both suitably rated for the purpose.

risk of fire

Every projector produces heat, and should therefore be installed in a well-ventilated position. The minimum distance from flammable materials: 0,5m. The minimum distance from the object being illuminated: 2 m.

7. Mains connection

cabling

The mains cable provided is thermally resistant, complying to the most recent international standards. It meets or exceeds the VDE and IEC norms, IEC 331, IEC 332 3C, CEI 20 35.

NB: In case of cable replacement, similar cable with comparable thermal resistant qualities must be used exclusively (cable 3x1.5 ϕ external 10 mm, rated 300/500V, tested to 2KV, operating temperature $-40^{\circ} + 180^{\circ}$, **coemar** cod. CV5309).

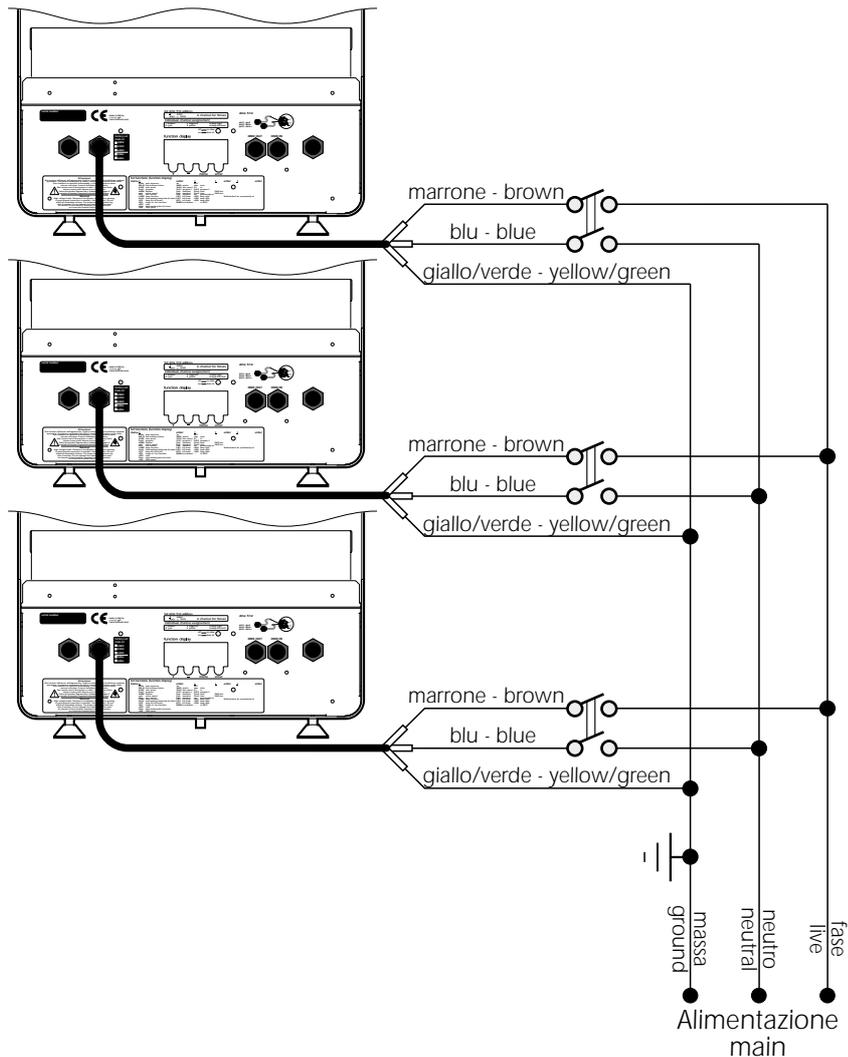
mains connection

Panorama Cyc Power can operate at voltages from 208V-230V-240V at 50 or 60Hz (operating voltage and frequency can be selected as described in section 5 of this manual).

Prior to connecting the unit to your mains supply, ensure that the model in your possession correctly matches the mains supply available to you.

For connection purposes, ensure your plug is of a suitable rating: 10 amps during startup and 9 amps during normal operation.

Locate the mains cable which exits the ballast and connect as shown below:



protection

The use of a thermal magnetic circuit breaker is recommended for each **Panorama Cyc Power**.

A good earth connection is essential for the correct operation of the fixture. Strict adherence to regulatory norms is strongly recommended.

Panorama Cyc Power must be earthed; never install the unit unless the yellow/green earth cable is securely connected.

8. Signal connection

Panorama Cyc Power may operate in 3 different modes:

8.1 Automated operation

8.2 Using DMX 512 signal

8.3 Synchronising Panoramas without DMX 512 signal.

Follow the instructions below which relate to your particular application:

8.1 Automated operation

Panorama Cyc Power may operate in stand alone mode in the absence of control signal, using pre-programmed colour changing sequence which can be activated by the multi-function panel on the unit.

No incoming signal to the XLR3 sockets should be connected.

We recommend that the XLR 3 sockets be isolated by using suitably sheathed weather-proof dummy plugs.

This ensures that the weather rating of the **Panorama Cyc Power** is maintained.

8.2 Using DMX 512 signal

Control signal is digital, and is transmitted via two pair screened $\varnothing 0.5\text{mm}$ cable.

Connection is serial, utilising the XLR 3 sockets located on the base of the **Panorama Cyc Power**.

coemar vi fornisce, nella dotazione standard, una coppia di connettori XLR 3 con grado di protezione IP 67; utilizzate solo un connettore identico per la trasmissione e ricezione del segnale per non perderete le caratteristiche di resistenza alle intemperie che sono una prerogativa di **Panorama Cyc Power**.

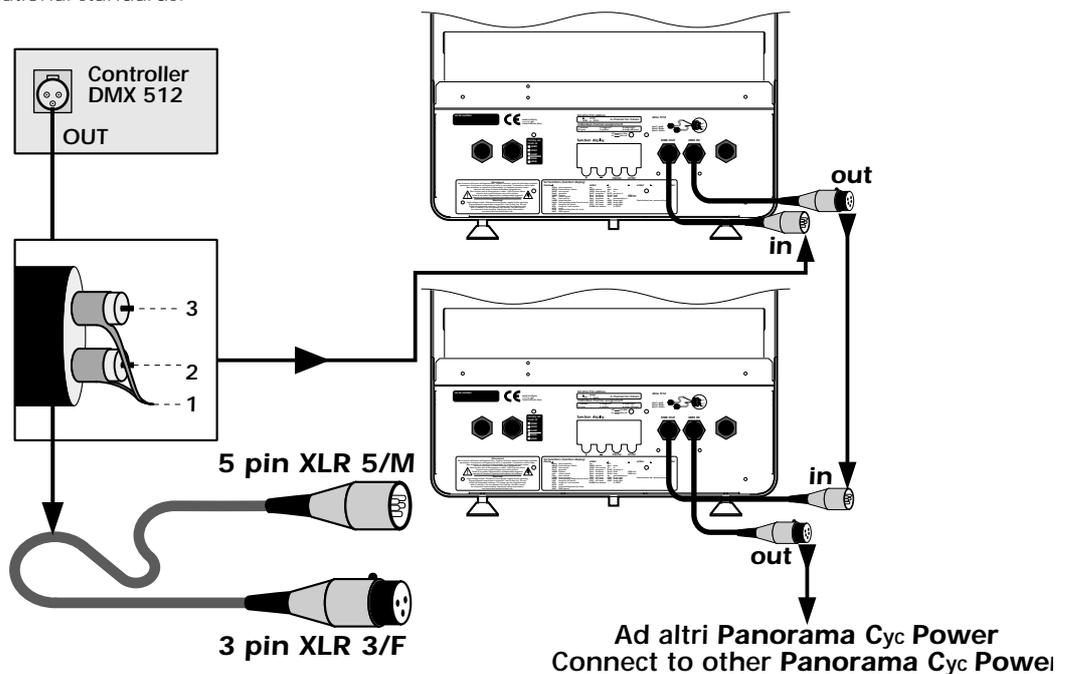
We recommend that the last link in the DMX chain be isolated by using suitably sheathed weather-proof dummy plugs.

This ensures that the weather rating of the **Panorama Cyc Power** is maintained. **coemar** supplies two XLR 3, IP 67 rated plugs for this purpose.

signal connection

Connection is to international standards:

pin 1 = gnd
pin 2 = data -
pin 3 = data +



Ensure that all data conductors are isolated from one another and the metal housing of the connector.

Note: the housing of the XLR 3 must be isolated.

Should your **DMX 512** controller output via an XLR 5 socket, the polarity of pins 1, 2 and 3 must be maintained and pins 4 and 5 should remain unconnected.

8.3 Synchronising Panoramas without DMX 512 signal

Multiple **Panorama Cyc Power** units may be interconnected in the absence of DMX 512 signal, operating simply via the inbuilt programs within the **Panorama Cyc Power**

All the **Panorama Cyc Powers** thus connected will operate simultaneously with one unit acting as MASTER and all subsequent units as a SLAVE.

Determine which of the **Panorama Cyc Power** will act as master, usually by the criterion of ease of access:

Using XLR 3 connectors, daisy-chain the units with the master connected to the first slave, and then slave to slave, up to a maximum of 10 units in total.

Should you need to connect more than 10 units we recommend that you use a suitable dmx splitter box to achieve this. These units are usually opto-isolated and may amplify and repeat the signal as required.

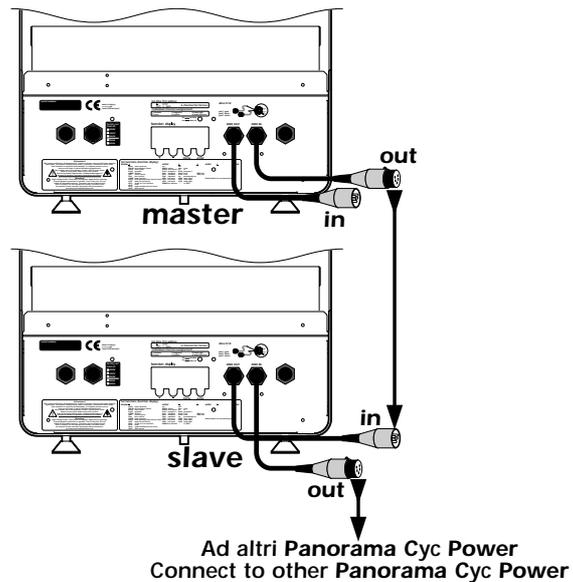
Attention! We recommend that any unused sockets be terminated to preserve the weather protection rating of the units. We recommend that these links in the DMX chain be isolated by using suitably sheathed weather-proof dummy plugs. This ensures that the weather rating of the **Panorama Cyc Power** is maintained; **coemar** supplies two XLR 3, IP 67 rated plugs for this purpose.

Connection is to international standards:

- pin 1= gnd
- pin 2= data -
- pin 3= data +

Ensure that all data conductors are isolated from one another and the metal housing of the connector.

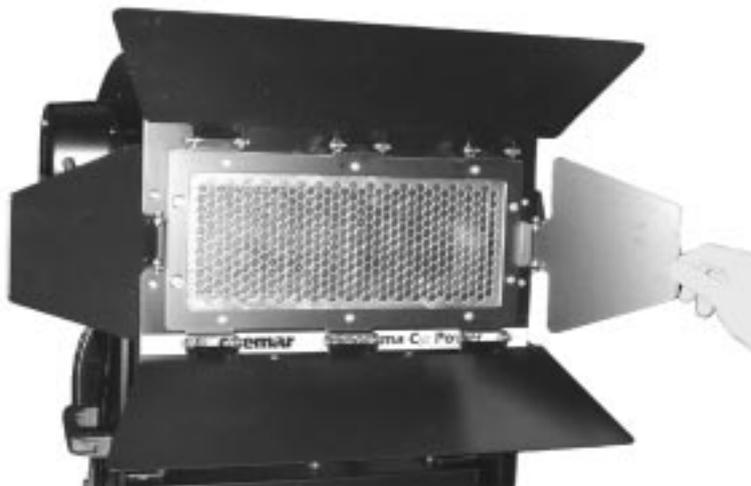
Note: the housing of the cannon XLR 3 must be isolated.



9. Powering up

Panorama Cyc Power is supplied with 4 barndoors which are supplied fitted to the unit in the closed position to reduce packaging dimensions.

Attention! The barndoors should always be opened out prior to turning on the lamp. Failure to do so may result in dangerous overheating of the projector and possible damage to its components.



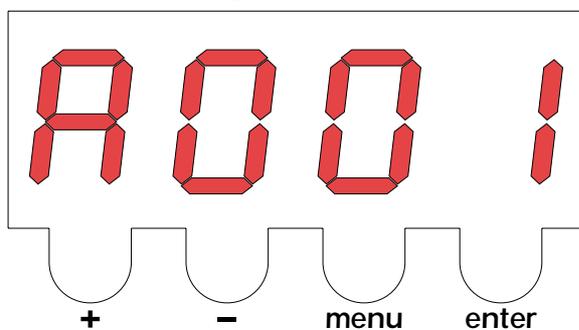
After having followed the preceding steps, turn on the DMX 512 controller which will be used to control the **Panorama Cyc Power**. Following this, turn on the power to the unit, and turn on the unit's power switch. The fixture will perform a reset function on its internal motors. This will last some few seconds, after which it will be subject to the external signal from the controller.

led DMX

The DMX **led** will be static on to indicate that **DMX 512** signal is being correctly received.

off — no dmx 
on — dmx ok

function display



If the led is off, the projector is not receiving signal. check the cabling and the functioning of the controller.

10. DMX addressing

Each **Panorama Cyc Power** utilises **6 channels** of **DMX 512** signal for complete control.

To ensure that each unit accesses the correct signal, it is necessary to correctly address each fixture. Any number between 1 and 506 can be generated via the multifunction panel of the **Panorama Cyc Power**.

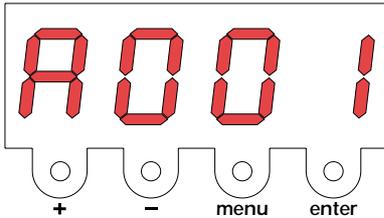
This procedure must be carried out on every **Panorama Cyc Power** being used.

When powered up initially, each projector will show **A001** which indicates **DMX address 1**; a projector thus addressed will respond to commands on channels **1** to **6** from the **DMX 512 controller**. A second projector should be addressed as **7** a third as **12** and so on until the final **unit** has been addressed.

Altering dmx addresses

- 1) Press the **+** or **-** buttons until the display shows the **DMX** address required. The characters in the display panel will flash to indicate that the selection is not stored in memory.

function display



- 2) Press the **enter** button to confirm your selection; the display will stop flashing and the projector will now respond to the new **DMX 512** settings.
- 3) To better understand the functions of each **DMX 512** we refer you to section **11 "Control channel functions from a DMX 512 controller"**.

Important Note: Keeping the **+** or **-** button pressed will cause the display to alter at increase speed, allowing a faster selection to be effected.

11. DMX 512 signal

Panorama Cyc Power may be operated using DMX 512 signal, connection is described in section "**8.1 Using DMX512 signal**".

If you have followed all instructions correctly to this point, the 6 channels of your **DMX 512** controller will have control of all the functions of the **Panorama Cyc Power** as shown in the following table:

channel	function	type of control	effect	decimal
1	dimmer	step	closed	0-7
		proportional	from close to open	8-255
2	cyan	proportional	proportional cyan control from white to cyan	0-255
3	magenta	proportional	proportional magenta control from white to magenta	0-255
4	Yellow	proportional	proportional yellow control from white to yellow	0-255
5	Lamp right on/off	step	lamp off	0-140
			lamp on	141-255
6	Lamp left on/off/ reset	step	lamp off	0-10
			Park (no function)	11-114
			cmY and dimmer reset (only once)	115-140
			lamp on	141-255
Back panel can inhibit lamp off function				
note 1: 2 or 4 numbers close to the end limit levels cannot be used as unstable levels				
note 2: lamp ON/off/reset functions has a delay time of 6 second to prevent accidental activation.				
note 3 :on/off lamp mode is not affected unless an opposite value is received				

Note To remotely control lamp ignition for the 2 lamps, you must position the respective channel to between 141 and 255, or you may use the display panel to ignite the lamps as described in section "**14 Display panel functions**".

12. Automated functions

Panorama Cyc Power may operate without external signal, executing two pre-programmed colour changes as discussed in section "8.1 Automated operation".

To engage the automated programs, after having turned on power to the unit, use the four buttons on the multi-function display to select from the options available:

- 1- Activate the automated colour changing programs (AUTO ON)

A001 — menu — +o- — **AUTO** **automatic movement** — enter — +o- — **ON** — enter —
 to activate colour changing effects
 without using an external control signal to enable the function

- 2- Select from the two programs available; the 1° program (PRO1) utilises a 32 colour sequence, the 2° program (PRO2) utilises 55.

A001 — menu — +o- — **PROG** **program** — enter — +o- — **PRO 1** — enter —
 Program selection in auto mode
 (2 selections available) | program n° 1
 +o- — **PRO 2** — enter —
 program n° 2

- 3- Adjust the hold time for each colour in the sequence, if you wish to alter from the 0 set as the **coemar** default.

A001 — menu — +o- — **AUSP** **colour changing
program speed execution** — enter — +o- — **from -000** — enter —
 Stay time and adjustment of one colour
 in the beam (program 1 or 2). | minimum speed
 +o- — **to -661** — enter —
 maximum speed

- 4- Adjust the fade time between the colours, if you wish to alter from the STRD set as **coemar** default.

A001 — menu — +o- — **COLR** **colour changer speed** — enter — +o- — **STRD** — enter —
 Colour changing system operating
 time speed on DMX signal variation.
 (selection between standard and slow) | standard speed
 +o- — **SLOU** — enter —
 low speed

Note: Projectors in automated mode will have the lamp turn on immediately and will be unable to have control of their dimmer modified.

13. Synchronising several Panoramas without using DMX 512 signal

Multiple **Panorama Cyc Power** units may be used in synchronised mode to use the automated preset programs without the need for an external control signal by completing the following procedure.

Panorama Cyc Power units connected together will operate in a master/slave mode.

The units may be synchronised to operate simultaneously or may be operated so that the "slave" units, as selected, operate with independent time delays:

To set up automated mode, complete the procedure described in section "**8.3 Synchronising Panoramas without using DMX 512 signal**", then set up the automated function with the four multi-function display buttons.

13.1 Setting up a "master"

Only one projector may be set up as "**Master**" the initial projector in the dmx daisy chain and the only one with its "**DMX IN**" socket empty.

- 1- Set up a unit as **master** (MAST).

A001 — menu — +o- — **M.A.S.L** master or slave — enter — +o- — **MAST** projector master — enter —
 to assign a code to the projectors as **master** (generator) or **slave** (receiver).

- 2- Activate the automated program (AUTO ON)

A001 — menu — +o- — **AUTO** automatic movement — enter — +o- — **ON** — enter —
 to activate colour changing effects without using an external control signal to enable the function

- 3- Select from the two programs available; the 1° program (PRO1) utilises a 32 colour sequence, the 2° program (PRO2) utilises 55.

A001 — menu — +o- — **PROG** program — enter — +o- — **PRO1** — enter —
 Program selection in auto mode (2 selections available) | program n° 1
 +o- — **PRO2** — enter —
 program n° 2

- 4- Adjust the hold time for each colour in the sequence, if you wish to alter from the 0 set as the **coemar** default.

A001 — menu — +o- — **AUSP** colour changing program speed execution — enter — +o- — **from -000** — enter —
 Stay time and adjustment of one colour in the beam (program 1 or 2). | minimum speed
 +o- — **to -661** — enter —
 maximum speed

- 5- Adjust the fade time between the colours, if you wish to alter from the STRD set as **coemar** default.

A001 — menu — +o- — **COLR** colour changer speed — enter — +o- — **STRD** — enter —
 Colour changing system operating time speed on DMX signal variation. | standard speed
 (selection between standard and slow) +o- — **SLOU** — enter —
 low speed

Note: Projectors in automated mode will have the lamp turn on immediately and will be unable to have control of their dimmer modified.

13.2 Setting up "slave" units

All units being operated from the "Master" unit must be set to "Slave" mode.

They must be connected correctly in the dmx daisy chain, see section 8.3 Synchronising Panorams without DMX 512 signal

Projectors set up as "Slave" are recognisable as they are the only ones with both dmx in and out sockets connected (with the exception of the last in the series which has only its "DMX IN" socket utilised.)

The procedure for setting up a unit as a "Slave" is as follows:

- 1- Set up the unit as "Slave" (SLAV).

A001 — menu — +0— — M.A.S.L master or slave — enter — +0— — SLAV projector slave — enter — -SL-

to assign a code to the projectors as master (generator) or slave (receiver).

When the display show -SL- you have correctly set the projector as a Slave which will follow the signal sent to it by the Master unit.

The display options now offered by the Panorama are much simplified to those of the master.

- 2- At this point, you may alter the delay time of the individual slave unit to that of its Master

-SL- — menu — +0— — AUDL delayed synchronization — enter — +0— — from 0000 — enter —
no delay
to 0055
maximum delay

To set the delay time on synchronization of colour changing program set on master device. This function can be seen and activated only on slave unit -SL- slave..

The delay may be altered from 0 to 55 and relates to the point at which the Slave will commence its colour change sequence with respect to that being generated by the Master.

For example:

Synchronising two projectors with AUDL= 20.

When the Master reaches the 20th colour in its colour change sequence, the Slaves set to AUDL 20 will begin with the first colour.

The synchronising continues until the projectors are turned off.

The AUDL function thereby allows different areas of your lighting subject to be in lit in diverse colors whilst maintaining the sequence amongst them (as set by the Master).

14. Display panel functions

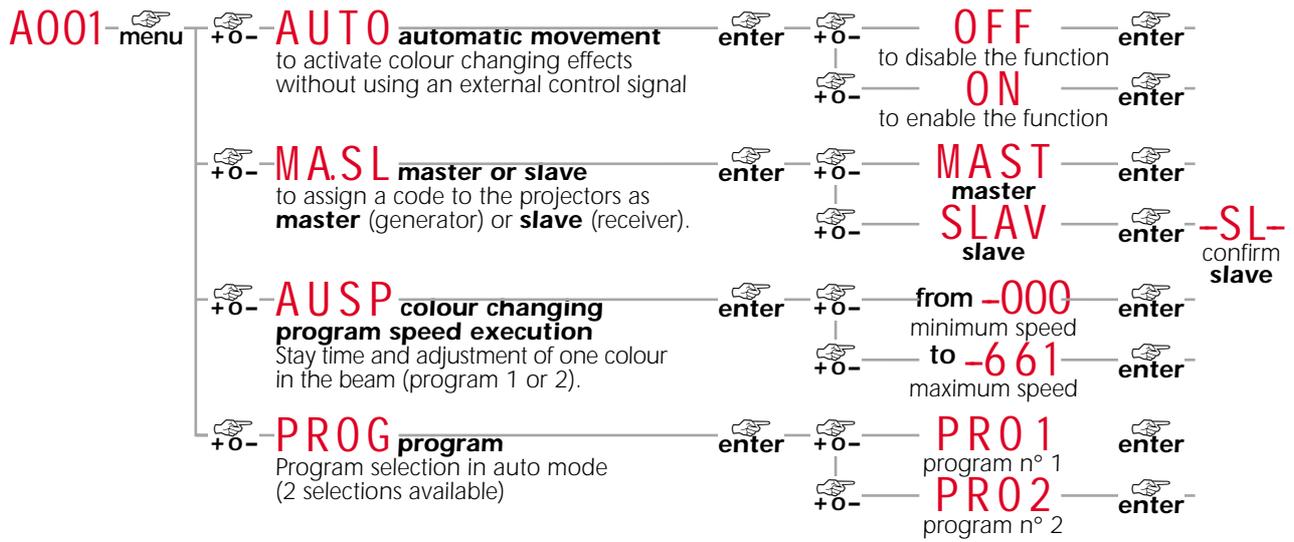
On display panel of **Panorama Cyc Power** are shown all the functions available; it is possible to change some of those parameters and to add some functions.

Changing the setting made by **coemar** can vary the functions of the device that will not respond to the DMX 512 mixer used to control it. Please carefully follow the instructions, before applying any variations or selections.

NOTE: the symbol  shows which key has to be pushed to obtain the function desired.

A001  menu	 +0- D IMM dimmer speed  enter	 +0- STRD  enter
	Mechanical dimmer operating time speed on DMX signal variation. (selection between standard and slow)	standard speed
		 +0- SLOU  enter
		low speed
		 +0- FAST  enter
		high speed
 +0- COLR colour changer speed  enter	Colour changing system operating time speed on DMX signal variation (selection between standard and slow)	 +0- STRD  enter
		low speed
		 +0- SLOU  enter
		low speed
		 +0- FAST  enter
		high speed
 +0- FAN fans control  enter	Fans function controlled through PCB (Strd) Fans always on (on).	 +0- STRD  enter
		automatic on/off
		 +0- ON  enter
		fans always on
 +0- DISP reverse display  enter	Reverse reading display depending on mounting position (ground mounted or suspended)	 +0- AA  enter
		suspended position
		 +0- VV  enter
		reverse
 +0- LED display control  enter	To disable display visualisation	 +0- OFF  enter
		switching off display ( any key to re-activate it)
 +0- LAMS lamps switching control  enter	To deactivate the two lamps switching on/off control through DMX signal.	 +0- STRD  enter
		ignition by DMX 512
		 +0- ON  enter
		lamps always on
 +0- LAMP switching on control  enter	To independently deactivate the switching on/off control of lamps through DMX control	 +0- STRD  enter
		ignition by DMX 512
	 +0- LEFT  +0- STRD  enter	left lamp
		ignition by DMX 512
		 +0- ON  enter
		lamp always on
	 +0- RIGHT  +0- STRD  enter	right lamp
		ignition by DMX 512
		 +0- ON  enter
		lamp always on
 +0- HOUR working time (lamp on)  +0- LEFT  +0- 0320  enter	Visualisation of unit's working time (lamp on) (reset operation not possible)	left lamp
		numeric value shown in hours
		 +0- RIGHT  +0- 0323  enter
		right lamp
		numeric value shown in hours
 +0- LIFE lamp life  +0- LEFT  +0- 0280  enter	Visualisation of lamp life (time covered by mains supply from last reset operation)	left lamp
		numeric value shown in hours
		 +0- RIGHT  +0- 0275  enter
		right lamp
		numeric value shown in hours
 +0- TEST test function  enter	Device operation test without DMX signal	 +0- T01  enter
		dimmer test
		 +0- T04  enter
		yellow colour test
 +0- RESE reset  enter	Reset function	----
		reset activation
 +0- HTOT total working time  enter	Total visualisation of unit's working time (time covered by mains supply) (reset operation not possible)	0520
		numeric value shown in hours
 +0- RATE DMX speed  enter	DMX signal reception speed	24.S0
		numeric value

Functions described on paragraph 12 and 13.



15. Mechanical adjustments

After having powered up the projector and set up either DMX 512 or automated control of the functions of the **Panorama Cyc Power**, you may wish to perform the following mechanical adjustments to optimise the output of the unit in your installation.

15.1 Tilt adjustments

Loosen the knobs at the sides of the unit which allow adjustment (+75° -35°) of the tilt position of the beamspread.



After having set up the position as required, remember to tighten the knobs once again to avoid movement.

15.2 Adjusting fan shrouds

After having adjusted the tilt angle of the projector head, follow these instructions to adjust the fan shrouds.

- 1) Loosen the two screws (**A**) which affix the fan shrouds at the sides of the projector.
- 2) Rotate the shrouds (**B**) so that the housing and wire guard is facing downwards.



- 3) Retighten the screws.

Attention

The correct adjustment of the fan shrouds is vital to the proper cooling of the projector. Additionally, the shrouds serve to prevent leakage of rain and other elements into the fixture's housing, thus maintaining the protection rating of the unit.

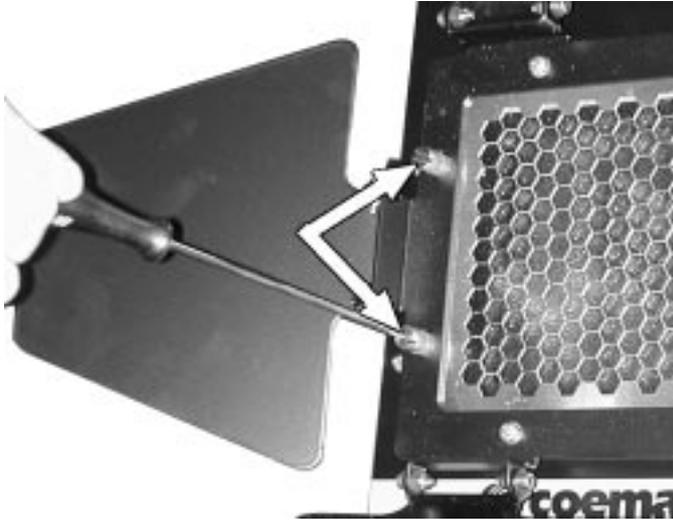
15.3 Alternating beam angles by inserting diffusion filters

4 variations on the beamspread, thereby offering greater flexibility in output, are able to be produced by the unit, by utilizing a range of diffusion filters available from your coemar distribution network.

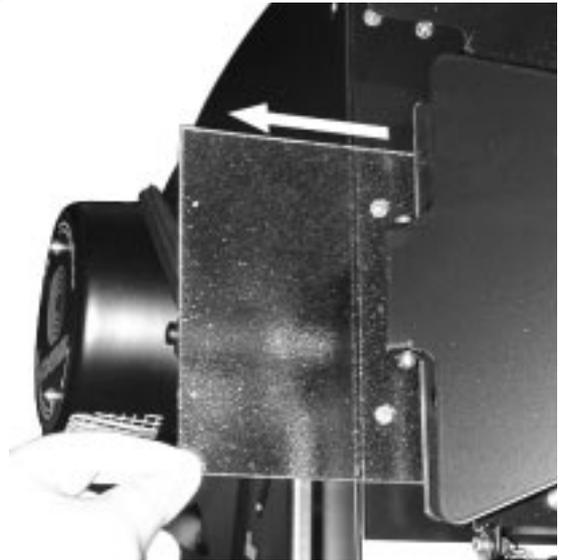
Prior to undertaking the following procedure, ensure that the lamp is either switched off or the dimmer is closed.

Attention
Never look directly into the light beam.

- 1) Use a suitable screwdriver to remove the screws which hold in place the diffusion filter.



- 2) Remove the diffusion filter.



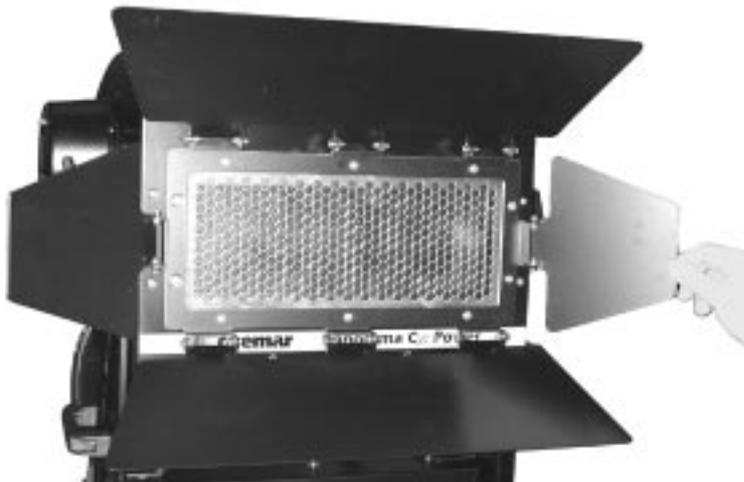
- 3) Insert a new filter suitable to your requirements.
- 4) Replace to two fasteners, ensuring they are secured firmly.

Further adjustments to the output of the fixture may be made by adjusting the barndoor, as described below.

15.4 Barndoor adjustments

The **Panorama Cyc Power** features a 4 leaf barndoor which is set in the full closed position for transportation. It can be used to alter the beamspread to suit your particular application.

- 1) Adjust the angle of each leaf to suit your installation.



- 2) After adjusting your leaf position, ensure that the fastening screws are securely tightened to avoid sagging.

16. Thermal protection

A thermal sensor located in the body of the **Panorama Cyc Power** protects the unit from overheating. Should the unit overheat due to it being poorly ventilated or the ambient temperature be too high or a cooling fan failure, the thermal sensor will cause voltage to be removed from the lamp circuit. The thermal sensor may be manually reset. This procedure should be undertaken by qualified technicians only.

17. Maintenance

Whilst every possible precaution has been taken to ensure the trouble-free operation of your **Panorama Cyc Power**, the following periodic maintenance is highly recommended. Make sure that mains power is disconnected prior to performing any maintenance.

Attention

Disconnect mains power prior to opening the inspection lid

Periodic cleaning lenses and reflectors

Even a fine layer of dust can reduce the luminous output substantially. Regularly clean all lenses and the reflector using a soft cotton cloth, dampened with a specialist lens cleaning solution. To do this, remove the two screws at the sides of the safety glass. Remove the glass and use the lens cleaning solution and a soft cotton cloth to clean the reflectors.

Periodic maintenance Lamps

The lamp should be replaced if there is any observable damage or deformation due to heat. This will avoid the danger of the lamp exploding; you may gain access to the lamp as described in section 4. Open the rear panel of the unit using the handle placed there for his purpose.

Fans and air passages



The fans and air inlets must be cleaned regularly to ensure the unit operates correctly. This should be undertaken at least every 6 weeks, the period for this periodic cleaning will depend, of course, upon the conditions in which the projector is operating.

To gain access to the fans, remove the two screws which hold the shrouds in place, located at the sides of the unit. Suitable instruments for performing this type of maintenance are a brush and a common vacuum cleaner or an air compressor. Should this not suffice, the filter itself may be immersed in a cleaning detergent.

filters and air inlets

the filters and air inlets must be cleaned regularly to ensure the unit operates correctly. This should be undertaken at least every 4 weeks, the period for this periodic cleaning will depend, of course, upon the conditions in which the projector is operating.

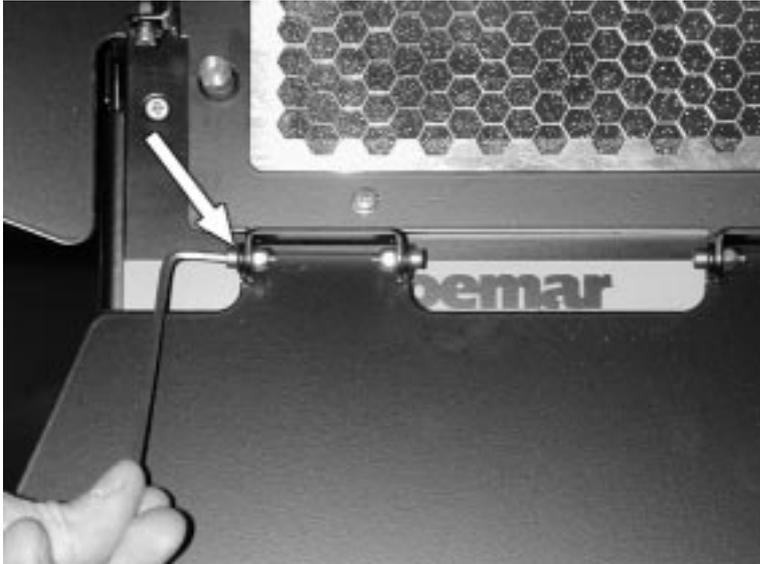
For access to the filter, remove the four screws which hold it in place, located at the rear of the unit. Use a brush and a common vacuum cleaner or an air compressor. The filter itself may be immersed in a cleaning detergent if required.



English

Mechanicals

Periodically check all mechanical devices for wear and tear; gears, guides, belts, etc., replacing them if necessary. Ensure the screws affixing the barndoors are firmly tightened.



Electrical components

Check all electrical components for correct earthing and proper attachment of all connectors, refastening if necessary.

Dichroic filters

To correctly clean and maintain the dichroic filters, it is necessary to gain access to the internals of the projector. This should be done only by qualified technical personnel.

Attention! Once you have completed the cleaning procedure, make sure that the seal is correctly replaced when replacing the front block.

Should you fail to do this, the protection rating of the unit will be compromised, and the internal of the unit may be subject to the adverse effects of the weather. This may result in damage to these components.

fuse replacement

To replace the fuse it is necessary to remove the two housing plates and open the terminal cover box as described in the section entitled "Selecting the operating voltage of the transformer" then replacing the fuse as required. Note that the fuse must be replaced with one of similar value.

18. Electronic motor alignment

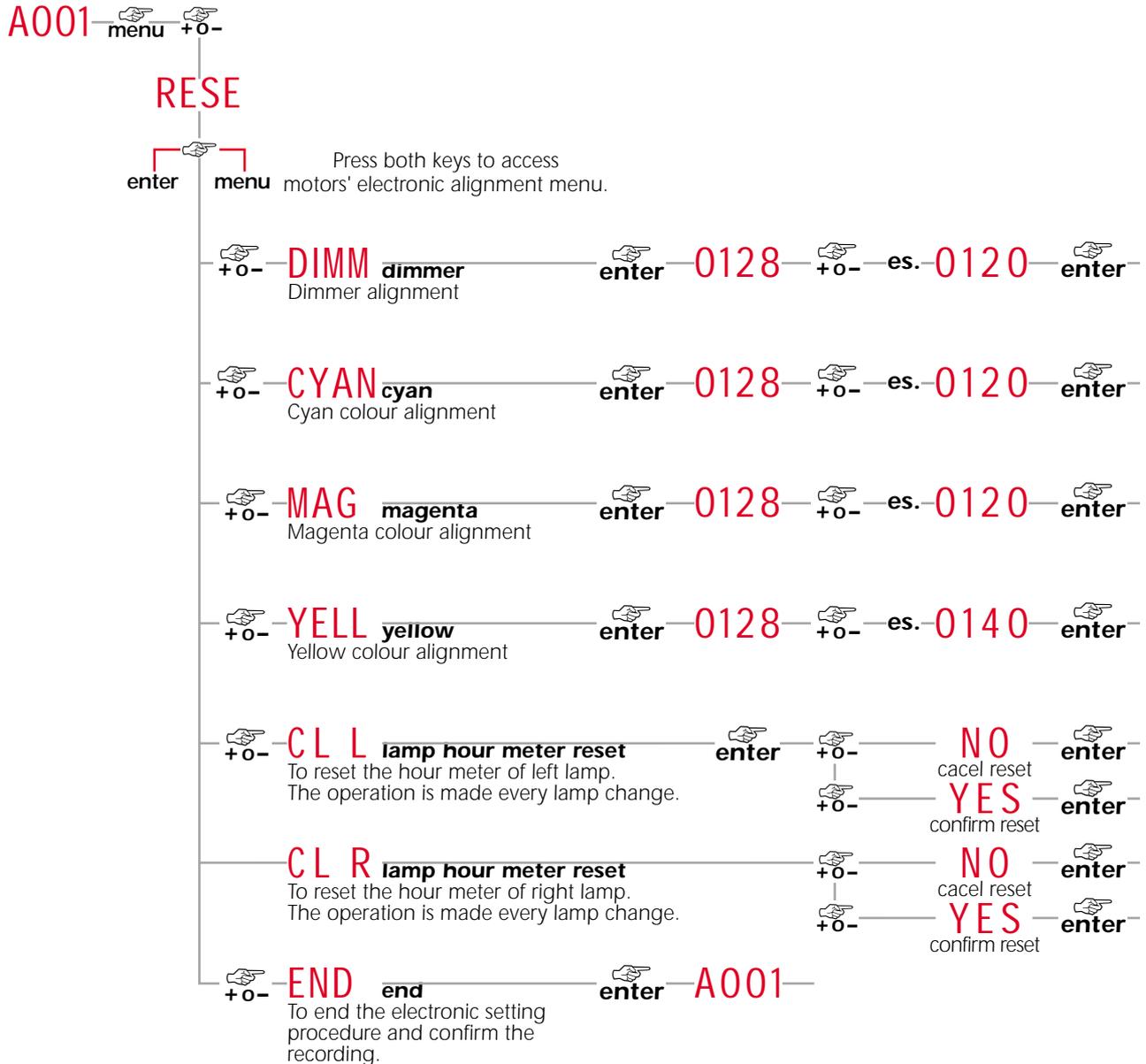
RESERVED FOR INSTALLERS ONLY

The display panel on the **Panorama Cyc Power** allows for the electronic calibration of the unit's motors; this procedure is undertaken by **coemar** at predelivery; it may be useful to perform this procedure in the case of internal components being replaced.

Altering the factory settings may radically alter the functioning of the projector. Carefully read all of the following prior to attempting any changes.

electronic calibration

Important Note: electronic calibration is only possible if the projector is connected to a **DMX 512** source.



Important Note: At the termination of the above electronic calibration procedure, if the END function is not performed, no memory changes will be effected. This allows the operator to abort any changes made, in case of operator error.

19. Spare parts

All the components of the **Panorama Cyc Power** are available as replacement spares from your authorised **coemar** sales agent.

Accurate description of the fixture, model number, and type will assist us in providing for your requirements in an efficient and effective manner.



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coemar reserves the right to effect modifications without notification

instruction manual

Panorama Cyc Power

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