coemar

Panorama Cyc 1800 Architectural

instruction manual

1st edition, october 1999

Panorama C*yc 1800*
A*rchitectural*

serial number _____

date of purchase _____

retailer _____

address _____

suburb _____

capital city _____

state _____

tel./fax/ _____

Please note in the space provided above the relative service information of the model and the retailer from whom you purchased your **Panorama C**yc 1800 **A**rchitectural*: This information will assist us in providing spare parts, repairs or in answering any technical enquiries with the utmost speed and accuracy.*

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

English

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English

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 C****yc 1800* ***Architectural***
1 Ballast
1 Instruction manual
8 trapezoidal adjusters and associated assembly nuts & bolts

2. Transportation

The ***Panorama C****yc 1800* ***Architectural*** 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 C****yc 1800* ***Architectural*** *during transportation.*

3. Important safety information

Fire prevention:

1. Panorama Cyc 1800 Architectural utilises a Philips MSI 1800; the use of any other lamp 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 1800 Architectural** 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 the weight of the unit.
2. Always use a secondary safety chain 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 lamp 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

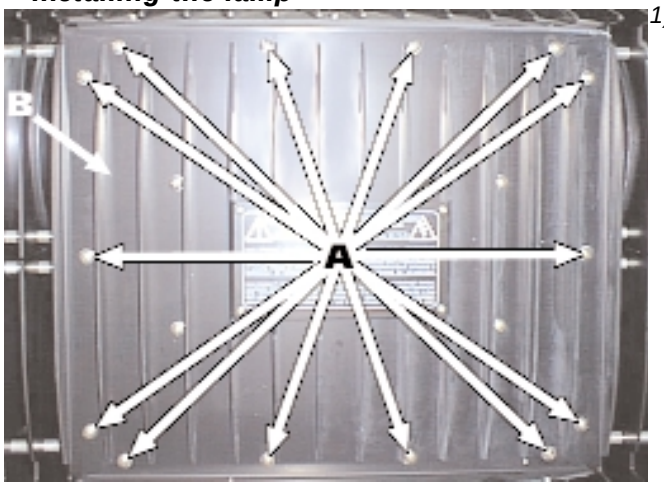
Panorama Cyc 1800 Architectural *utilises a Philips 1800 MSI 1800W lamp with a SFc 15,5 lampbase.*
The lamp is available from your authorised ***coemar sales agent****:*

coemar cod.	***105808***
power	*1800 w*
luminous flux	*155000 lm*
colour temperature	*5600° K*
base	*SFc 15,5*
approximate lamp life	*3000 hours*

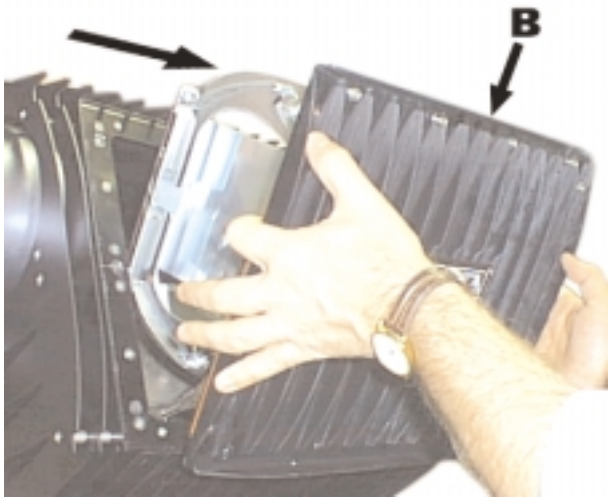
Attention!
Remove mains power prior to opening up the unit.

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.
MSI 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 its recommended life of 500 hours. We recommend, therefore, that the lamp be replaced within the manufacturer's specified lamp life.

installing the lamp

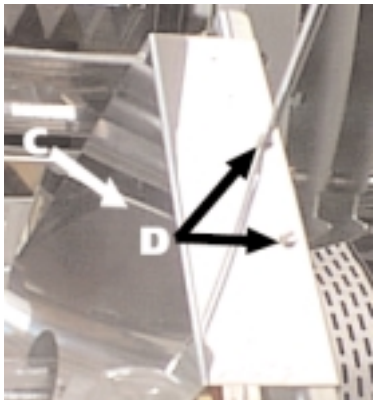


1) Using a Philips head screwdriver, remove the 14 screws (A) which affix the rear housing (B) to the body of the projector.



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

3) Remove the lateral reflectors (C) by removing the 4 screws (D).



English

4) *Locate the SFc 15,5 lampholder.*
5) *The SFc 15,5 lampholder is symmetrical in its construction. The lamp used is manufactured from quartz glass and should be handled with care; always adhere to the instructions supplied in the lamp's packaging. Never touch the glass directly, use the tissue provided in the lamp's packaging.*
   Loosen the two side thumbscrews on the lamp.
   Insert the lamp into the lampholder. DO NOT USE UNDUE FORCE. In case of difficulty, re-read the instructions and repeat the procedure.
   To ensure a uniform beam spread, ensure that the lamp is installed with the pinch in the bulb facing the top of the unit.
   Press the lamp firmly into the lampholder to ensure it is seated correctly. This will ensure that the lamp is seated correctly in the optical system of the unit. If this is not done, the beamspread may not be uniform.

6) *Tighten the thumbscrews at each end of the lamp.*
7) *Reposition the two lateral reflectors on the lamp assembly.*
8) *Replace the rear housing.*
9) *Retighten the 14 screws (A).*

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 240v and a frequency of 50Hz. The operating voltage and frequency of the unit is noted in the appropriate space on the label affixed to the base of the projector (electronics voltage) and internally on the ballast (lamp voltage and frequency).*

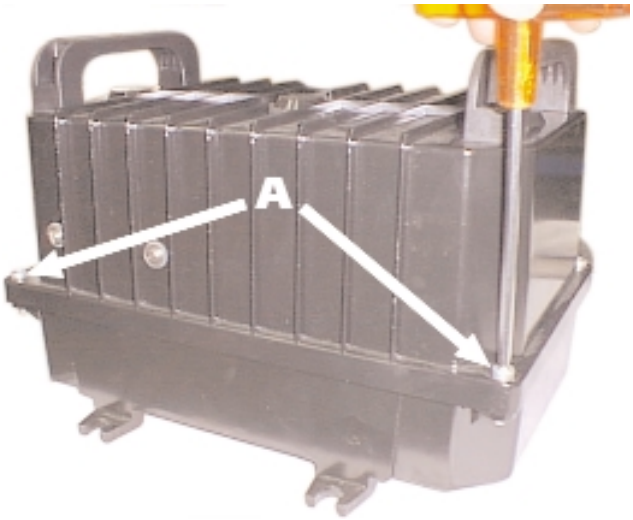
factory set main at:
☐115V ☐208V ☒230V ☐240V

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.***

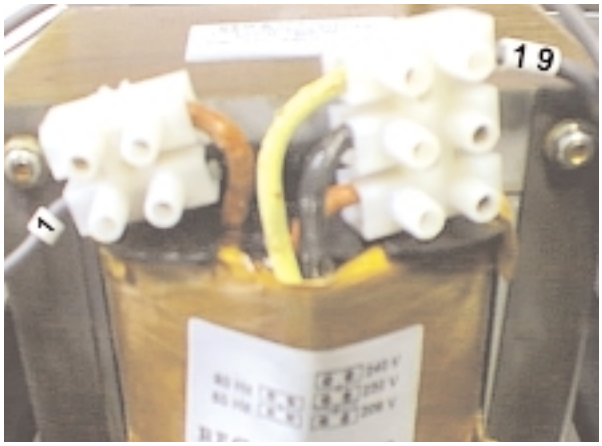
5.1 Selecting the operating voltage and frequency for the lamp

This procedure will set the operating voltage or frequency for the lamp after the initial ignition of the lamp; the unit draws upon initial startup 17,3 Amps.
You must set the operating voltage or frequency suitable for the country in which the projector is being used.

1) Open up the ballast by removing the 4 hex screws with an M 5 allen key



2) 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.



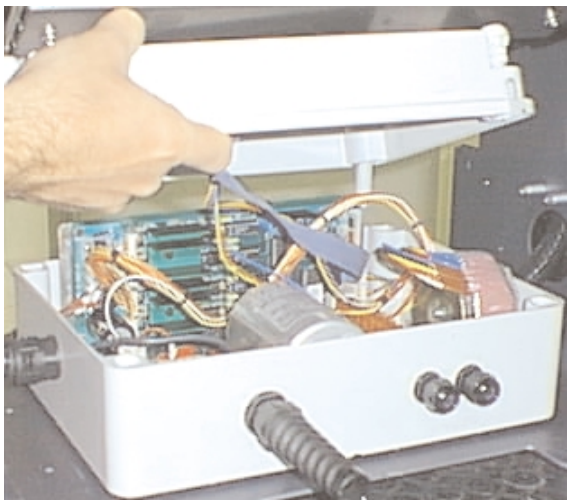
3) Cable 19 determines operating voltage, move it to either of the 208, 230 or 240V terminals.
4) Cable 1 determines operating frequency, move it to either the 50 or 60Hz terminals.
5) After having moved the cables to the required position, re-close the ballast as per its original condition.
To maintain 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.

English

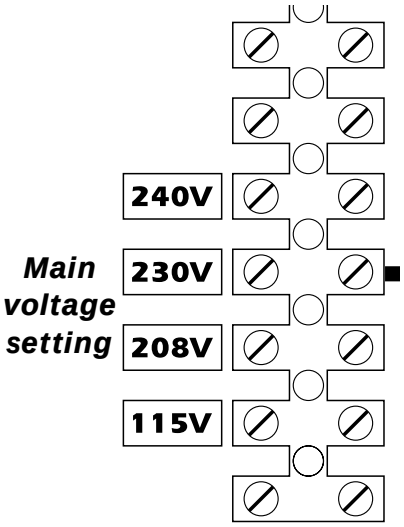
5.2 Selecting the operating voltage of the transformer

This procedure will set the operating voltage for the projectors electronics.
You must set the operating voltage to suit the country in which the projector is being used.
Using a Philips head screwdriver, remove the 12 screws which affix the two housings of the base, these screws are located at the front, rear, and sides of the projector.

2) Using a suitable screwdriver, remove the 4 screws which seal the terminal cover



3) Locate the multipole terminal strip and proceed as follows.
4) Cable number 15 determines operating voltage; connect it to either the 208V, 230V or 240V terminal.



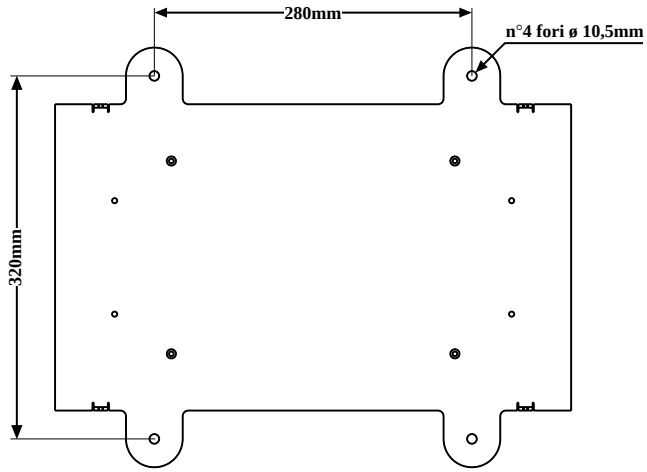
An error in setting the correct** operating voltage **may cause serious damage to the unit. Do not move the cable numbered 8.
5) After having selected the correct voltage, replace the internal terminal cover as well as the external housing of the unit.

6. Installing the unit

***Panorama Cyc 1800 Architectural**, 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 1800 Touring** 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 1800 Architectural** 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 a solid surface.*

6.2 Installing the unit in exposed areas

***Panorama Cyc 1800 Architectural** 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.

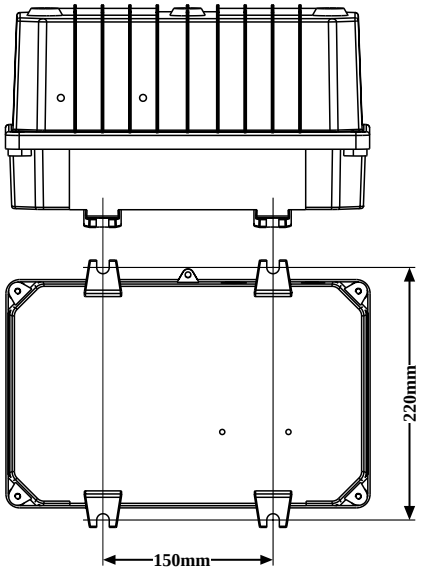
***Panorama Cyc 1800 Architectural** allows the beam of light to be tilted in the range of -35° to +75°.without having to move any other component except the head of the fixture.*
Mounting the unit incorrectly may cause damage to occur and incorrectly mounting the unit will immediately void the warranty.

If mounted in any other position other than with the base down, the projector will not be performing with its maximum protection rating, although, with adequate covering, it may operate in almost any position.

English

6.3 Mounting the ballast

*The ballast of the **Panorama Cyc Architectural** may be mounted in any position. Its protection rating is IP 55 and it is therefore able to be mounted in any exposed position.*
It may be affixed to any structure using the 4 holes in the base of the ballast.



safety chain

*The use of a safety chain (cod. 069) - fixed to the **Panorama Cyc 1800 Architectural** and to the primary suspension point, is highly recommended to protect against accidental failure, however unlikely, of the primary suspension point.*
*If using an after-market safety chain not manufactured by **coemar**, ensure that it is of sufficient rating to hold the weight of the fixture.*

risk of fire

Each fixture produces heat and must be installed in a well-ventilated position. The minimum recommended distance from flammable material is: 0.5m. Minimum distance from the object being illuminated is: 2 m.

7. Mains connection

Connecting the ballast to the Panorama Cyc 1800 Architectural

The projector is designed for fixed installations and should therefore be connected to mains according to the normal regulatory conditions applicable in the country of installation.
The following is all the information required to ensure proper and correct connection of mains to the ballast and the connection of the ballast to the projector.

7.1 Preparing mains cable

*The mains cable used to power up the **Panorama Cyc 1800 Architectural** should be 2 core + earth with conductor dimension Ø 2,5 mm² and should be connected to the ballast.*
External dimensions should be between 5 and 12 mm² to be fitted using the PG 13,5 connector used on the ballast.
External sheath properties should be suitable according to the position in which the cable is to be used and in accordance with local electrical authority regulatory norms.
*Your **coemar** service centre has available cables which suit this purpose: CV 03 (FG7) with properties which are suitable for installation in exposed conditions and non-flammable.*
For cable lengths greater than 10 m refer to specialist personnel noting that the current draw through the two cores is 9 Amps.

7.2 Preparing the cable connecting ballast to body

*The cable used between the ballast and the **Panorama Cyc 1800 Architectural** body varies according to the length being utilised.*
For standard lengths up to 10 m properties should be as follows:

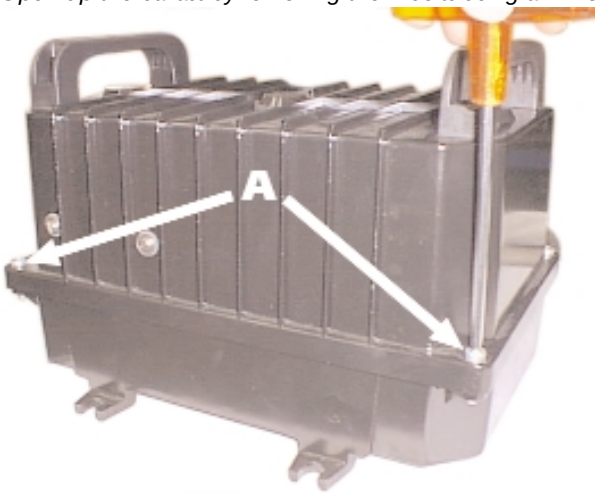
Core 1: Ø 4 mm²
Core 2: Ø 1,5 mm²
Core 3: Ø 1,5 mm²
Core 4: Ø 1,5 mm²
Core 5: Ø 4 mm²
Core 6: Ø 1,5 mm²
Core 7 Earth: Ø 2,5 mm² color yellow/green

The external cable diameter should be between 13 and 18 mm² to allow use with the PG 21 connectors used on the ballast and the projector body.
External sheath properties should be suitable according to the position in which the cable is to be used and in accordance with local electrical authority regulatory norms.
*Your **coemar** service centre has available cables which suit this purpose: CV 39 with properties which are suitable for installation in exposed conditions and non-flammable.*
For cable lengths greater than 10 m refer to specialist personnel noting that the current draw through the six cores is:

Core 1: 18 Amps (230V)
Core 2: 1 Amps (230V)
Core 3: 0,3 mA (12V)
Core 4: 0,3 mA (12V)
Core 5: 18 Amps (230V)
Core 6: 1 Amps (230V)
Core 7: Earth: Ø 2,5 mm² color yellow/green

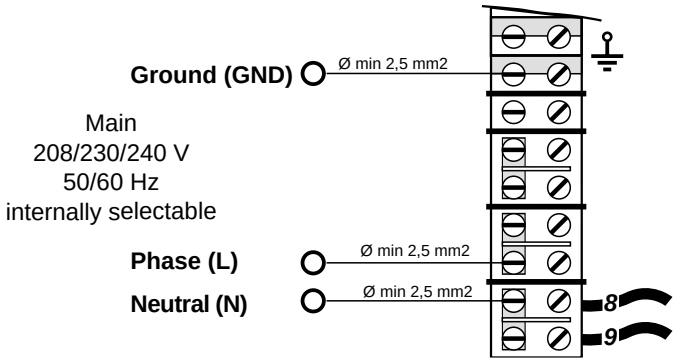
7.3 Connecting the mains cable

1) Open up the ballast by removing the 4 bolts using an M 5 hex key



English

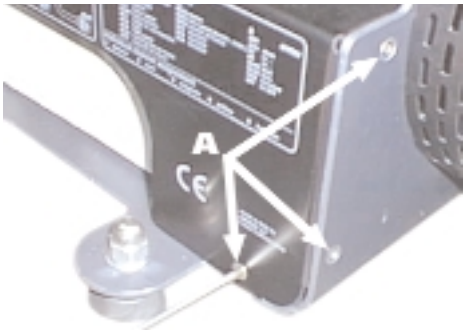
*2) Locate the terminal strip marked **L**, **N** and **GND**.*
*3) Insert the 3 core X 2,5 mains cable into the **PG 13,5** connector and cable clamp.*
Connect as in the diagram:



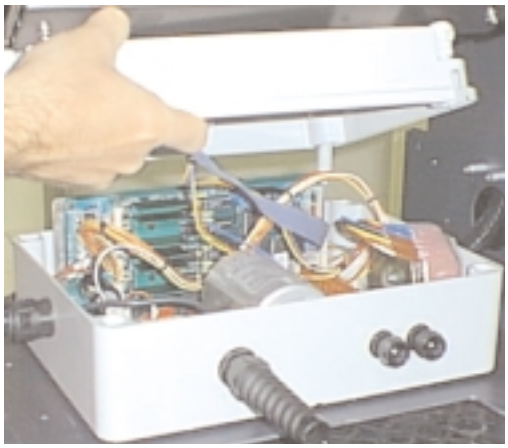
4) The cable clamp should be firmly tightened to ensure it seals against water.
5) Do not close/seal up the ballast until you have completed the following procedure.

7.4 Connecting the cable between ballast and body

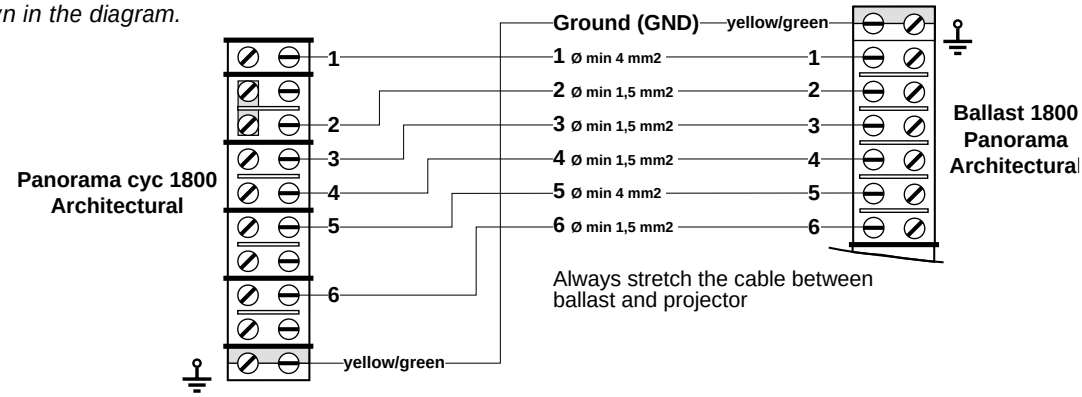
1) Using a suitable screwdriver, remove the 12 screws to allow internal access to the projector.



2) Use a suitable screwdriver to open the metal junction box by removing the 4 screws. Loosen the connection strip from its base.



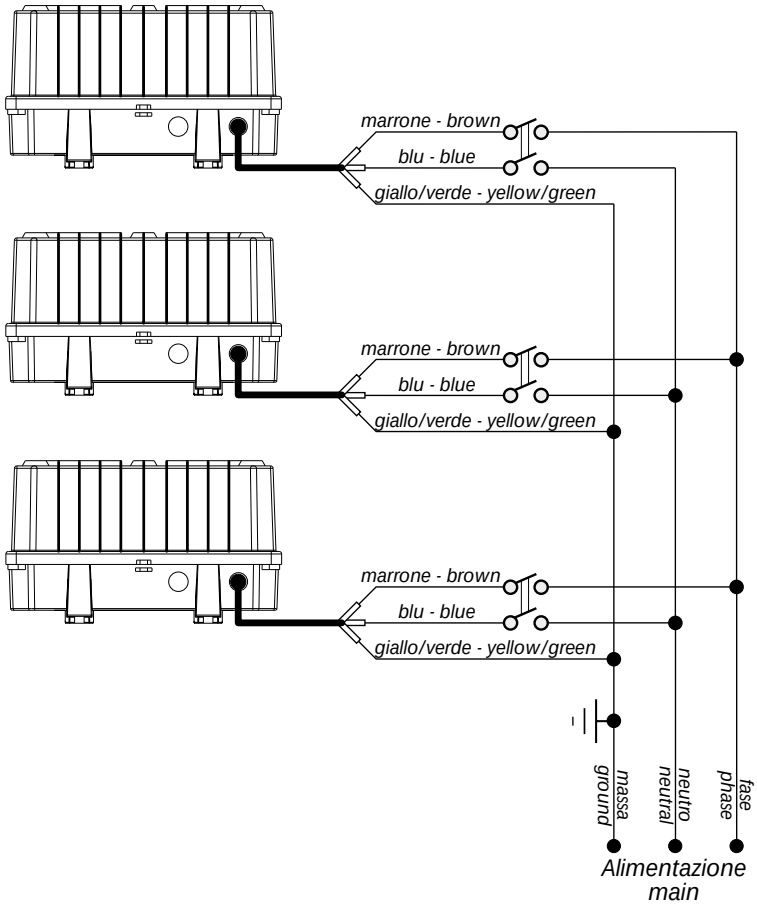
7) Locate the terminal blocks on both the projector and the ballast which are marked 1, 2, 3, 4, 5, 6 and GND.
8) Insert the multicore cable through the PG 21 connector (the larger one) and the cable clamp on both the ballast and projector
Connect as shown in the diagram.



9) The cable clamp should be firmly tightened to ensure protection against water.
10) Close up the ballast tightening the 4 bolts with an M 5 hex key.

7.5 Mains connection

*Note that the **Panorama Cyc 1800 Architectural** may function at 208V-230V-240V at 50 or 60Hz (the voltage and frequency are selected as described in section 5 of this manual).*
Before powering up the projector, therefore, ensure that the projector you are using matches both your request and the voltage and frequency in use.
For mains connection, ensure your plug is rated sufficiently: 13,3 amps on startup and 9 amps during normal operation.
Connect as shown in the following diagram:



protection

*The use of a thermal magnetic circuit breaker is recommended for each **Panorama Cyc 1800 Architectural**.*
A good earth connection is essential for the correct operation of the fixture. Strict adherence to regulatory norms is strongly recommended.
Prior to closing up the base of the projector, proceed to the connection of the signal cable (section 8) and to the internal settings required (sections 10 to 14); do not forget to set the DMX address, automated functioning, automated program and the other options which may be selected via the multifunction display panel. Once the projector base is closed, there is no opportunity for further access from the outside without once again opening the base up. This is to avoid unauthorised access to the projector settings.

8. Signal connection

8.1 Preparing signal cable (only if DMX 512 connection is being used or for projectors being operated in Master/Slave modes)

The cable used for transmitting DMX 512 signal from the controller to the projectors and from projector to projector should be 2 core + screening with section Ø 0,5 mm².

The external diameter should be between 3,5 and 8 mm² to allow use in the PG 9 connectors used on the unit.
The external sheath used should be selected according to the conditions in which the projector is installed and the and in accordance with local electrical authority regulatory norms.

*Your **coemar** service centre has available suitable cable: CV 2325 with properties which are suitable for installation in exposed conditions and non-flammable.*
***Panorama Cyc 1800 Architectural** may operate in 3 different modes which require different signal connections. Refer to the following descriptions for information regarding your specific requirements.*

8.2 Automated operation
8.3 Using DMX 512 signal
8.4 Synchronising Panoramas without DMX 512 signal.

8.2 Automated operation

***Panorama Cyc 1800 Architectural** 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 PG 9 entry sockets (the smaller) be isolated by using plastic material or two short length of unconnected cable.

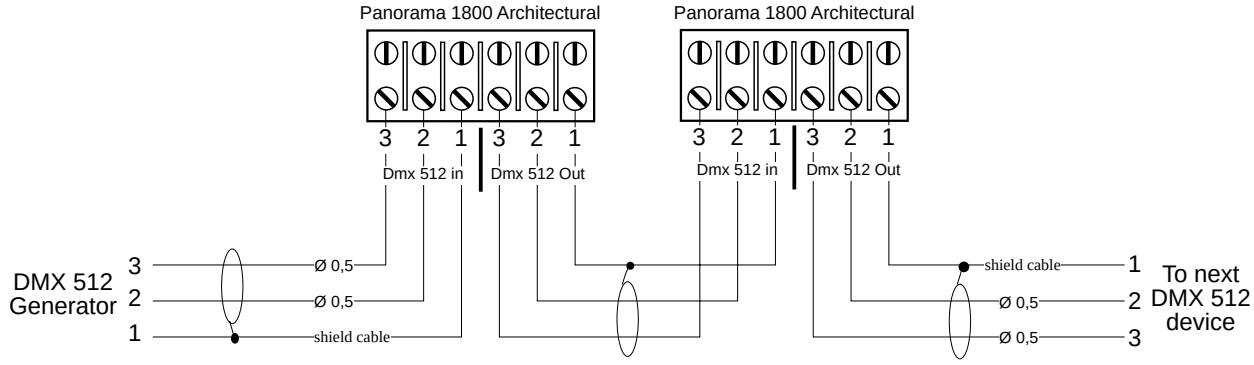
*Sealing the DMX IN and DMX OUT entry sockets ensure that the weather rating of the **Panorama is maintained.***

Attention!
In order to connect signal cable as described below, keep the projector's covers open as well as the internal junction box which contains the projector's electronics.

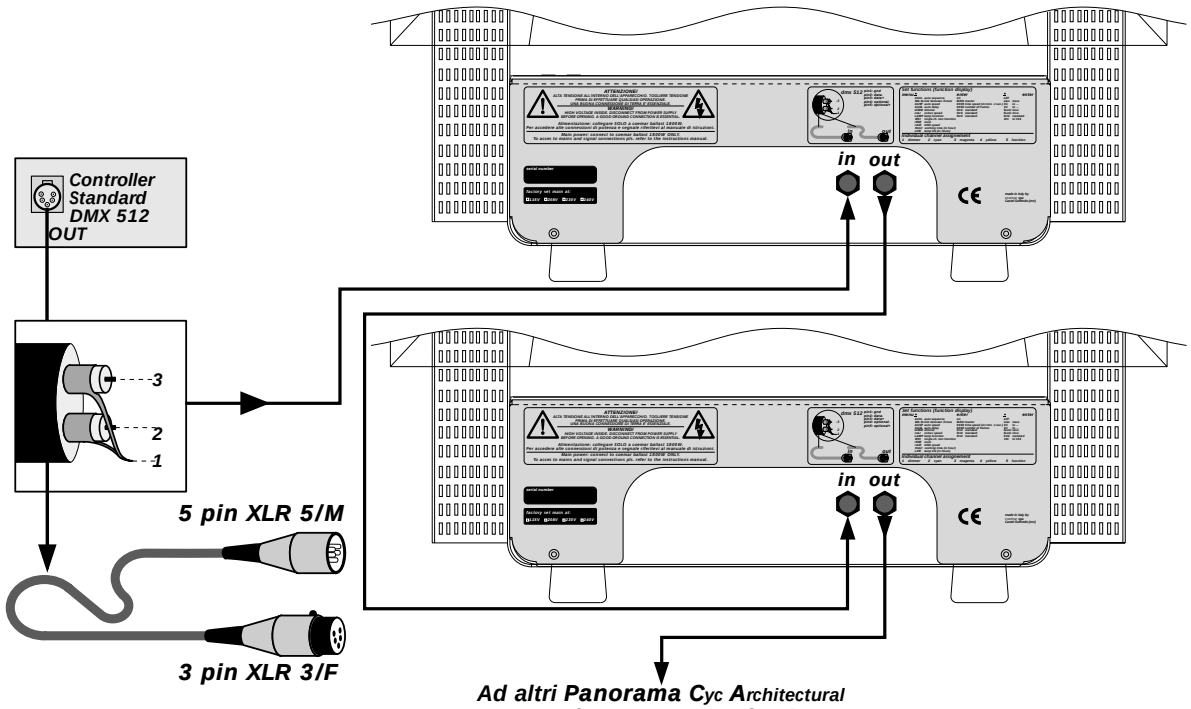
8.3 Using DMX 512 signal

Control signal is digital, and is transmitted via two pair screened ø0.5mm cable.
*Connection is serial, utilising the entry sockets marked **DMX IN** and **DMX OUT** to the internals of the junction box in the base of the **Panorama Cyc 1800 Architectural**.*

1) Insert the cables through the PG 9 entry sockets.
2) Connect as shown in the following diagram:



*Should your controller's **DMX 512** signal be transmitted via an XLR 5 connection,the polarity of pins 1, 2 and 3 should be maintained and pins 4 and 5 should not be connected.*

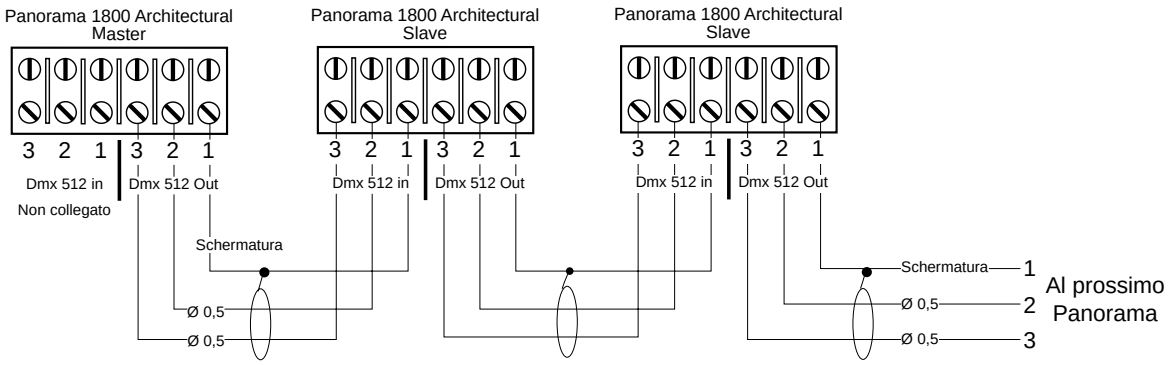


***Attention**: Ensure that all data conductors are isolated from one another and the metal housing of the connector.and under no circumstances should any connection be made from the signal cable or the screening to the metal support of the projector. Test that the cable is isolated prior to powering up the projector.*
*We recommend that the PG 9 entry socket on the final projector being connected should be sealed as previously described. This will ensure the integrity of the **Panorama Cyc 1800 Architectural**'s weather protection rating.*
We recommend that this be done using a short length of unconnected signal cable being inserted into the socket and then the socket being tightened.
Prior to closing the base of the unit, we recommend that all the internal settings be carried out (sections 10 to 14); do not forget to set the DMX address, any automated settings, automated programs and any other settings via the multifunction display panel as access to the panel is only available when the cover is off.
Once these settings have been carried out, all internal junction boxes may be closed up to seal them off as shown below.

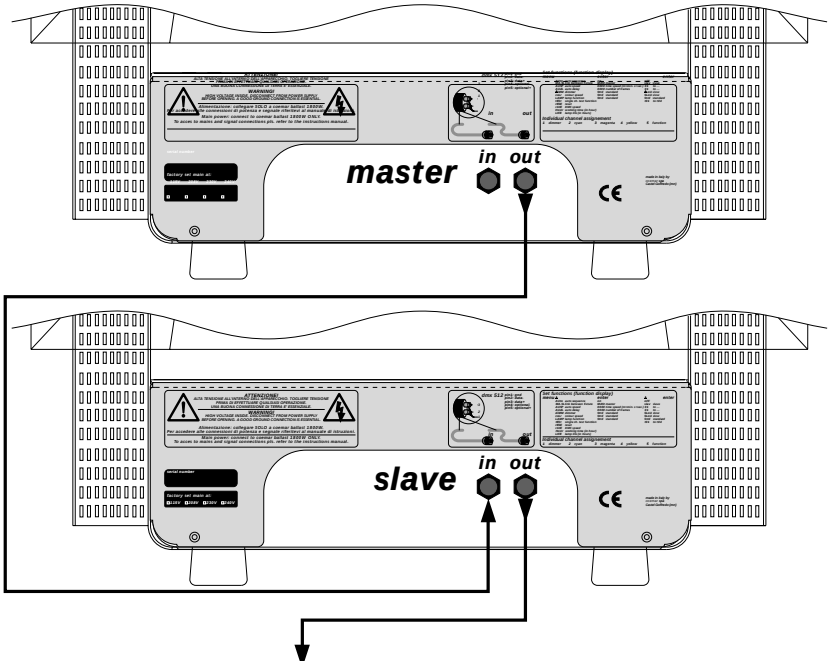
English

8.4 Synchronising Panoramas without DMX 512 signal

*Multiple **Panorama Cyc 1800 Architectural** units may be interconnected in the absence of DMX 512 signal, operating simply via the inbuilt programs within the **Panorama unit**.*
*All the **Panorama Cyc 1800's** **thus connected will operate simultaneously** with one unit acting as MASTER and all subsequent units as a SLAVE.*
*The **Panorama Cyc 1800 Architectural** which is to act as master should be selected according to ease of access for programming purposes. Control signal is transmitted from Master to slave via 2 core ø0,5 screened cable.*
*Connection is serial, daisy-chaining units using the **DMX IN** and **DMX OUT** sockets located in the base of the **Panorama Cyc 1800 Architectural.***
1) insert the cables through the PG 9 entry sockets.
2) Connect as shown in the diagram below.



*Connect the projectors by using the signal from the "**master**" to connect to the first slave, then from the first slave to the second, and so on to a maximum of 10 projectors.*



Ad altri Panorama Cyc Architectural (Slave)
Connect to other Panorama Cyc Architectural (Slave)

***ATTENTION**:Ensure that all data conductors are isolated from one another and the metal housing of the connector.and under no circumstances should any connection be made from the signal cable or the screening to the metal support of the projector. Test that the cable is isolated prior to powering up the projector.*
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.
*We recommend that any unused PG 9 entry sockets be sealed as previously described to maintain the integrity of the **Panorama Cyc 1800 Architectural's** weather protection rating.*
Prior to closing the base of the unit, we recommend that all the internal settings be carried out (sections 10 to 14); do not forget to set the DMX address, any automated settings, automated programs and any other settings via the multifunction display panel as access to the panel is only available when the cover is off.
Once these settings have been carried out, all internal junction boxes may be closed up to seal them off as shown below.

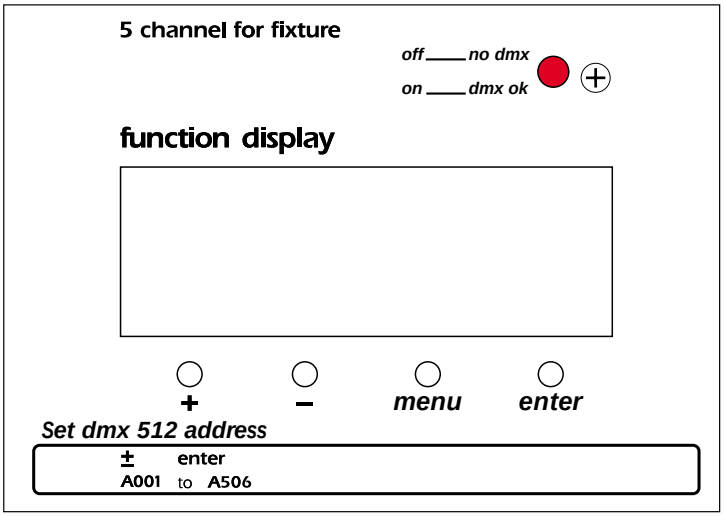
9. Powering up

After having followed the preceding steps, turn on the power to the projector.
*Note that if you have chosen to operate the **Panorama C**yc 1800 **A**rchitectural from a DMX 512 controller, you will need to turn it on prior to the projector.*

The fixture will perform a reset function on its internal motors. This will last some few seconds, after which it will be subject to any external signal from a controller.

led DMX

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



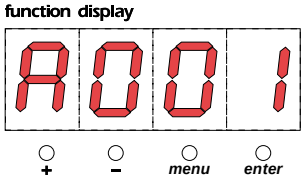
If the led is off, the projector is not receiving signal. check the cabling and the functioning of the controller.

10. DMX addressing

*Each **Panorama Cyc 1800 Architectural** utilises **5 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 1800 Architectural.***
*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 **5** from the **DMX 512 controller**. A second projector should be addressed as 6 a third as **11** and so on until the final **unit has been addressed.***

altering dmx addresses

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



2) *Press the enter button to confirm your selection; the display will stop flashing and the projector will now respond to the new DMX address.*
3) *To better understand the function of each channel, 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 increased speed, allowing a faster selection to be effected.*

11. DMX 512 signal functions

Panorama Cyc 1800 Architectural *may be operated using DMX 512 signal, connection is described in section "**8.1 Signal connection using DMX 512**".*

*If you have followed all instructions correctly to this point, the 5 channels of your **DMX 512** controller will have control of all the functions of the **Panorama Cyc 1800 Architectural** 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	**function**	step	lamp off	0-114
			motor reset	115-140
			lamp on	141-255
Back panel can modify function channel (inhibit lamp off)				
5	**function**	step	lamp on	0-114
			motor reset	115-140
			lamp on	141-255
note 1: 2 or 4 numbers close to the end limit levels cannot be used as unstable levels				
note 2: function channel 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				

To remotely control lamp ignition, you must position channel 5 at a level between 141 and 255.

English

12. Automated operations

The Panorama Cyc 1800 Architectural *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 (A001 AUTO ON)

A001 — menu — +o– — AUTO **movimento automatico** — enter — +o– — ON — enter

Attivazione degli effetti di cambio colore senza l'utilizzo di un segnale di controllo esterno

attiva la funzione

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 **programma** — enter — +o– — PRO1 — enter

Selezione del programma in esecuzione automatica (2 possibili selezioni)

programma n° 1

+o– — PRO2 — enter

programma 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 **velocità di esecuzione del programma di cambio colore** — enter — +o– — **da** -000 — enter

Regolazione del tempo di permanenza di un colore dei programmi 1 o 2 nel fascio di luce.

velocità minima

+o– — **a** -661 — enter

velocità massima

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

A001 — menu — +o– — COLR **velocità del cambiacolori** — enter — +o– — STRO — enter

Velocità di intervento del sistema cambiacolori al variare del segnale DMX (selezione tra standard e lenta -slow-).

velocità standard

+o– — SLOU — enter

velocità lenta

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** **C**yc 1800 **A**rchitectural 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** units connected together will operate in a master/slave mode.*
The units may be synchronised to operated 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– — MASL **master o slave** — enter — +o– — MAST — enter
*Permette di codificare i proiettori come **master** (generatore) o **slave** (ricevitore).*
*proiettore **master***

2- Activate the automated program (AUTO ON)

A001 — menu — +o– — AUTO **movimento automatico** — enter — +o– — ON — enter
Attivazione degli effetti di cambio colore senza l'utilizzo di un segnale di controllo esterno
attiva la funzione

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 **programma** — enter — +o– — PRO1 — enter
Selezione del programma in esecuzione automatica (2 possibili selezioni)
programma n° 1
+o– — PRO2 — enter
programma 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 **velocità di esecuzione del programma di cambio colore** — enter — +o– — **da** -000 — enter
Regolazione del tempo di permanenza di un colore dei programmi 1 o 2 nel fascio di luce.
velocità minima
+o– — **a** -661 — enter
velocità massima

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

A001 — menu — +o– — COLR **velocità del cambiacolori** — enter — +o– — STRD — enter
Velocità di intervento del sistema cambiacolori al variare del segnale DMX (selezione tra standard e lenta -slow-).
velocità standard
+o– — SLOU — enter
velocità lenta

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

English

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 Panoramas 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 – +o– – MASL **master o slave** – enter – +o– – SLAV – enter – -SL-

*Permette di codificare i proiettori come **master** (generatore) o **slave** (ricevitore).*

*proiettore **slave***

*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 – +o– – AUDL **sincronizzazione ritardata** – enter – +o– – **da** 0000 – enter

*Impostazione del tempo di ritardo sull'esecuzione della sincronizzazione del programma di cambio colore impostato sul proiettore master. Funzione visibile e attivabile solo sul proiettore -SL- **slave**.*

nessun ritardo

a 0055

massimo ritardo

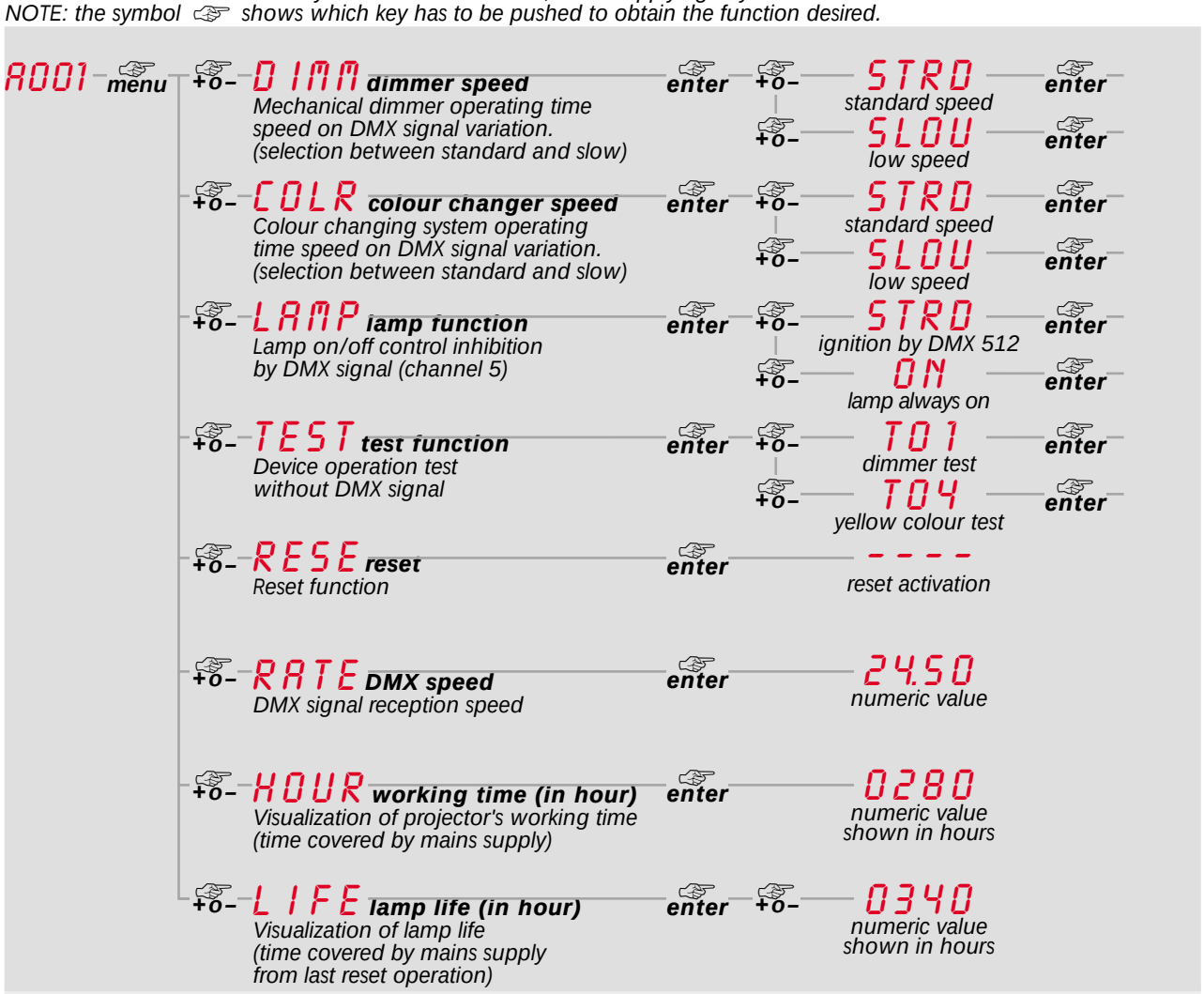
The delay may be altered from 0 to 55 and relates to the point at which the slave will commence its colour change sequence with respect to that being generated by the master.

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.

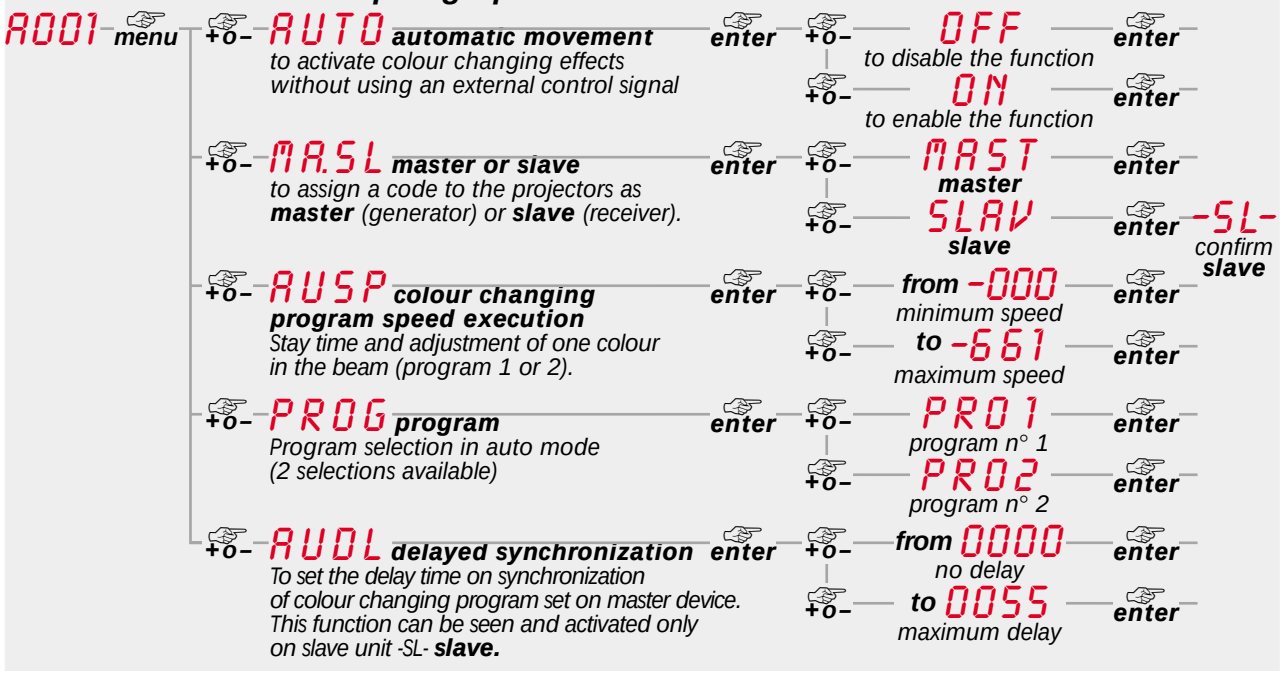
The AUDL function thereby allows different areas of your lighting subject to be in lit in diverse colors whilst maintaining the sequence amongst them (as set by the master).

14. Display panel functions

*On display panel of **Panorama C**yc 1800 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.



Functions described on paragraph 12 and 13.

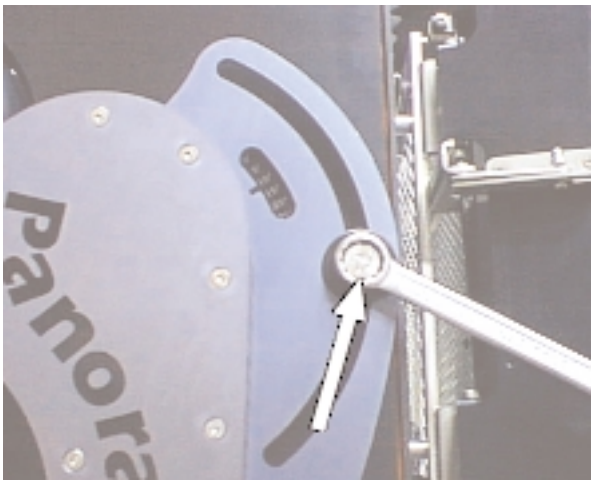


15. Mechanical adjustments

After having powered up the projector and set up either DMX 512 or automated control of the functions of the ***Panorama****, 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 Barndoor adjustments

The Panorama C*yc 1800* ***Architectural*** *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) On each supporting arm of the barndoor leaves you will find a screw, loosen this for adjustment.

2) Adjust the angle of each leaf to suit your installation.
3) After adjusting your leaf position, ensure that the screws are securely tightened to avoid sagging.
4) In the packaging of the unit are included 8 trapezoidal aluminium pieces; these are used to supplement the effect of the barndoor by fitting into the corners to mask out any stray light from the unit.

5) Affix the 8 segments using the 16 screws included for this purpose, thereby completing the masking effect of the barndoor.
6) Make sure all adjusting screws are securely tightened to ensure there is no movement of the barndoors from their set position.

Attention! The barndoor should always be open prior to turning on the lamp. Failure to do so could result in the unit overheating and cause significant internal damage.

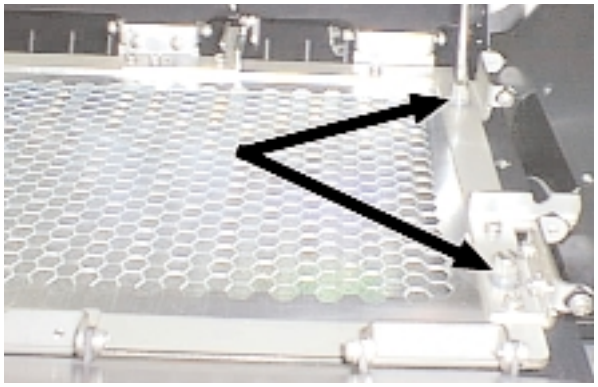
15.3 Altering beam angles by inserting diffusion filters

The Panorama Cyc 1800 Architectural *is able to offer 4 variations on the beamspread produced by the unit, thereby offering greater flexibility in its output:*

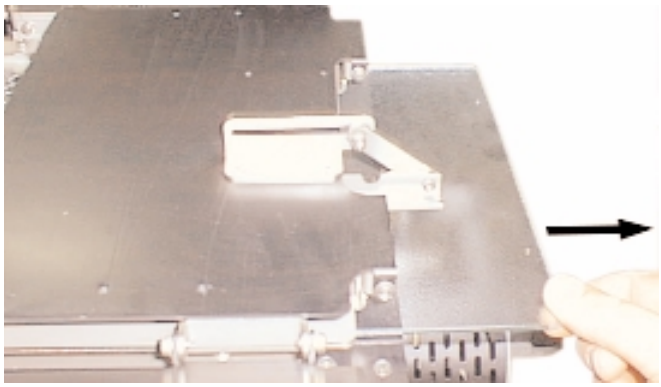
A) 62° on the vertical axis, 58° on the horizontal: using the standard filter
B) 52° on the vertical axis, 96° on the horizontal: using the horizontal stretch filter
C) 96° on the vertical axis, 65° on the horizontal: using the vertical stretch filter
D) 30° on the vertical axis, 50° on the horizontal: using no filter
To obtain any of the 3 angles other than that offered by the standard filter you should proceed as follows.

Attention:

Never look directly into the light beam, there is a danger from ultraviolet radiation.
Prior to undertaking this procedure, either turn off the projector or turn on the dimmer.
1) Use a suitable screwdriver to remove the screws which hold in place the diffusion filter.



2) Remove the diffusion filter.



3) Insert the new filter.
4) Replace the four screws which hold the filter in place.

16. Thermal protection

*A thermal sensor located in the body of the **Panorama C**yc 1800 **Architectural** 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 fail, the thermal sensor will cause voltage to be removed from the lamp circuit.*

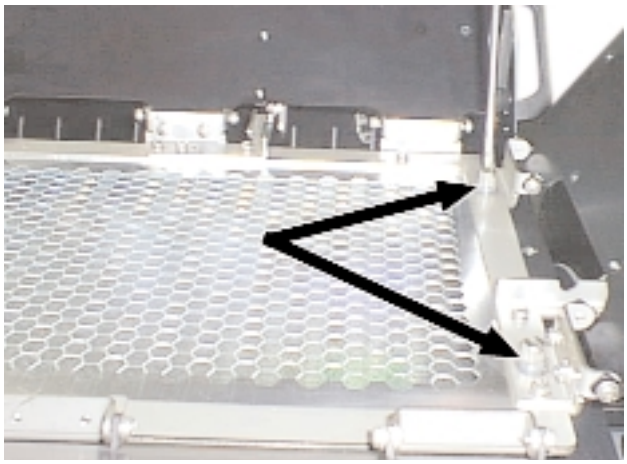
17. Maintenance

*Whilst every possible precaution has been taken to ensure the trouble-free operation of your **Panorama C**yc 1800 **Architectural**, 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

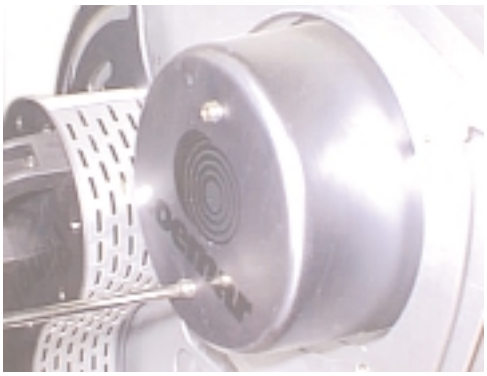
Even a fine layer of dust can reduce the luminous output substantially. Regularly clean all lenses and the reflector using a soft cotton cloth, dampened with a specialist lens cleaning solution. To do this, remove the two screws at the sides of the safety glass



periodic maintenance lamp

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.

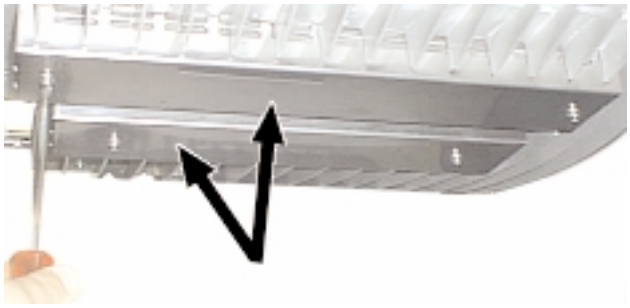
fans and air passages



The fans and air passages must be cleaned approximately every 6 weeks; the period for this periodic cleaning will depend, of course, upon the conditions in which the projector is operating. Suitable instruments for performing this type of maintenance are a brush and a common vacuum cleaner or an air compressor.
To gain access to the fans at the side of the unit, remove the protective covers located there.

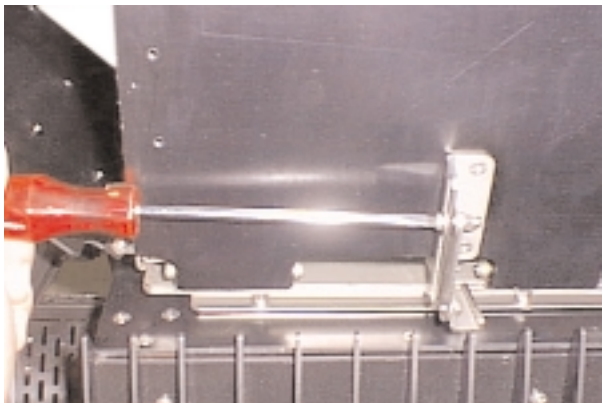
filters and air inlets

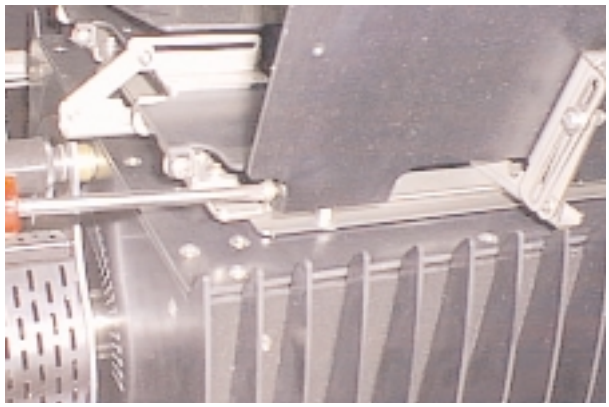
the filters and air inlets must be cleaned regularly to ensure the unit operates correctly. This should be undertaken at least every 4 weeks, the period for this periodic cleaning will depend, of course, upon the conditions in which the projector is operating.
To gain access to the filter, remove the two screws which hold it in place, located at the rear 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.



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 properly clean the dichroic filters it is necessary to remove the screws which affix the front block of the unit. The front block of the unit, together with its seal, will come away.
Move each dichroic filter manually to allow access to it and clean with a suitable glass cleaning detergent.
***Attention!** Once you have completed the cleaning procedure, make sure that the 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 replace with one of similar value.

18. Electronic motor alignment

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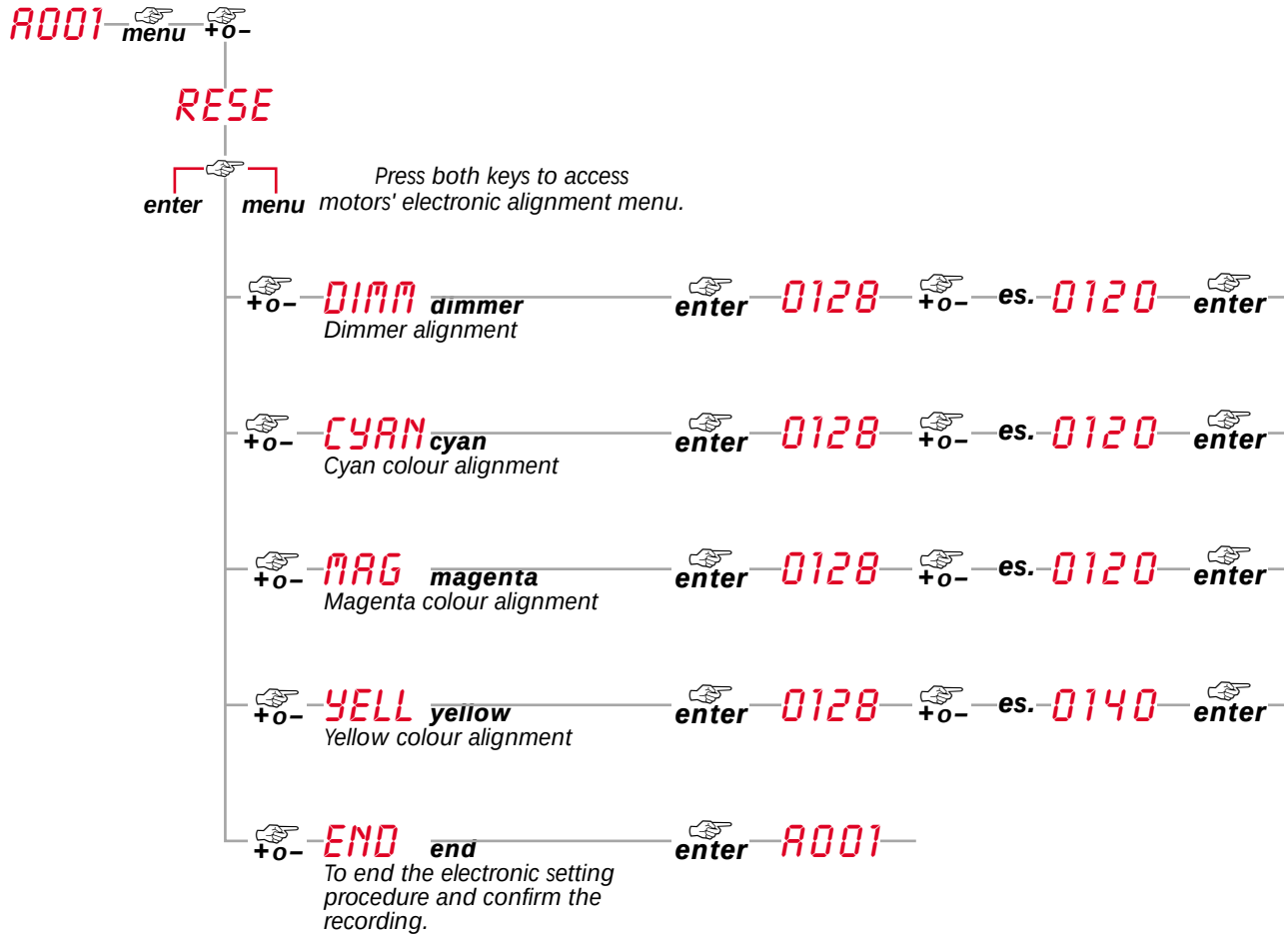
RESERVED FOR INSTALLERS ONLY

*The display panel on the **Panorama C**yc 1800 **Panorama C**yc 1800 **A**rchitectural allows for the electronic calibration of the units 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 redically 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.*



19. Spare parts

*All the components of the **Panorama C**yc 1800 **A**rchitectural 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.