



USER MANUAL
ENGLISH
Version 1.0

ME700P



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1. INTRODUCTION

Thank you for choosing a QMAXZ QME-series product. The design & production are passed through quality control to ensure the superior liability. This manual provides necessary information regarding product safety, installation and operation of this product.

It is important to read ALL accompanying safety instructions, installation notes and instructions to avoid damage to the product and potential injury to yourself or others.

For the latest updates of product documentation, please visit the user support area of the QMAXZ website at www.qmaxz.com

NOTE: Information and Specifications in this document are subject to change without notice. QMAXZ Lighting assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual.

2. UNPACKING

Open the box according to the instructions on the out side of the box to avoid damage of the fixture!

Please check if the following items are packed together with the fixture:

- User Manual
- 2 mounting brackets
- Powercable with Neutrik Powercon™
- Safety Cable
- Light Bulb

3. SAFETY INFORMATION

Warning! Read the safety instructions in this manual before installing and operating the fixture. This product is for professional use only and was designed for indoor use.

Please consider that unauthorized modifications on the fixture are forbidden due to safety reasons.

Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.

Protection from burns and fire

- The minimum distance between the light-output and a flammable retarding object must be at least 0,8 meter. Keep flammable materials well away from the fixture.
- Do not illuminate surfaces within 2 meter of the fixture.
- Provide a minimum clearance of 0.1 meters around fans and air vents.
- The ambient temperature (Ta) must be within 2°C (36°F) and 43°C (102°F)
- Under normal conditions, the highest sectional surface temperature may be up to 90°C (194°F).
- Allow the fixture to cool for at least 15 minutes before handling.
- Never place filters or other materials over the lens or air entrances.

Protection from electric shock

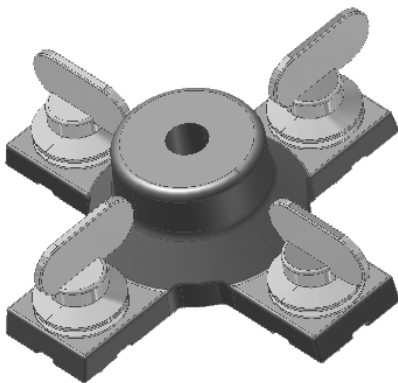
- Keep the fixture away from rain and moisture.
- Disconnect the fixture from AC power before removing or installing the lamp, fuses, or any part, and when not in use.
- This device falls under protection class I. Therefore always ground (earth) the fixture electrically.
- Make sure that the power cord is not damaged. Check the fixture and the power cord from time to time.
- Make sure that the available voltage is not higher than stated on the power panel.
- Make sure that the power-switch is set to OFF-position before you connect the device.
- Connecting the main power supply should be done by a qualified professional person.
- Refer for any service operation not described in this manual to a qualified technician.

Protection from UV radiation and lamp explosion

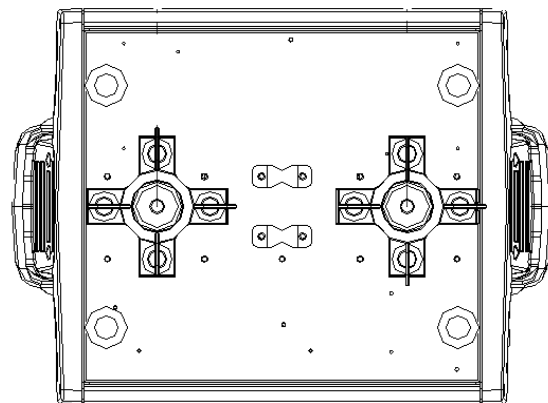
- Never operate the fixture with missing or damaged lenses and/or covers.
- When replacing the lamp, allow the fixture to cool for at least 30 minutes before opening the fixture or removing the lamp. Protect your hands and eyes with gloves and safety glasses.
- Do not stare directly into the light. Never look at an exposed lamp while it is lit.
- Replace the lamp if it becomes defective or worn out, or before usage exceeds the maximum life time.

4. RIGGING THE FIXTURE

Mounting bracket



Fixture base



Attach both of the supplied mounting brackets to the fixture base by placing the brackets on the fixture base matching the mounting holes and turning the twist locks by 90 degrees clockwise until they are mounted tightly. Always use both brackets when rigging the fixture.

When hooks or clamps are connected to the brackets for rigging, verify that the hooks or clamps are undamaged and can bear at least 10 times the weight of the fixture.

To un-mount the brackets turn the twist lock by 90 degrees counter clockwise and release the brackets from the fixture base.

Requirements for the rigging place:

- For safety the fixture should have a secondary fixing with a safety cord through the truss and safety bracket of the fixture. The safety cord must bear at least 10 times the weight of the fixture.
- When rigging, de-rigging or servicing the fixture make sure that no people are staying in the area below the fixture and other endangered areas.
- Check that the tilt lock is released.
- Verify that there are no combustible materials or surfaces to be illuminated within 2 meters (78 inches) of the fixture and that there are no flammable materials nearby.
- Check that there is no possibility of heads or yokes colliding with other fixtures.
- If any accidents happen due to not following the above instructions, the manufacturer will not be responsible for it.

5. LAMP REPLACEMENT

Installing any other lamp than advised by the manufacturer may create a safety hazard or damage the fixture!

Model	Bulb
QME700P	MSR Gold 700/2 Fast-Fit (7.500°K)

QMAXZ fixtures are tested with PHILIPS bulbs. QMAXZ also advises to use the same bulbs for replacement. QMAXZ is not responsible for any damage to the fixture when using other bulbs!

5.1 Lamp Installation

***Never run the device without lamp!
Do not touch the quartz bulb with bare fingers. Wear safety glasses and gloves
when handling lamps.***

Switching the lamp off before it's warmed up will decrease the lamp's life time.

To reduce the risk of explosion, replace the lamp when it reaches the limit of its average life time. Never exceed the lamp's average life time by more than 10%. *To read running hours from the control panel, please refer to display function menu chapter 7.* Replace the lamp immediately if it is deformed or in any way defective.

1. Disconnect the fixture from power and let it cool down for at least 30 minutes.
2. Loosen the 2 fastening screws on the lamp housing back cover plate.
3. Carefully pull the cover-plate backwards and turn it clockwise to clear the lamp socket area.
4. Remove the old lamp by turning it counter clockwise and then pulling it out of the lamp socket.
5. Insert the new lamp into the socket. Make sure that the lamp is installed tightly into the lamp socket.
6. Close the lamp housing back cover and fasten the 2 screws again.

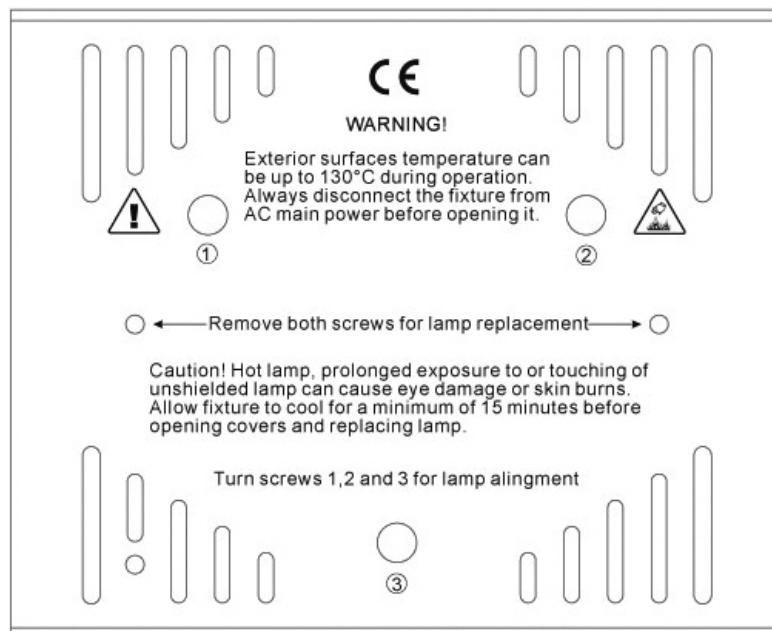
NOTE: All bulbs have a maximum lifetime, check lifetime regularly to avoid exceeding lifetime, otherwise it may result in deformation or explosion of the bulb, what may cause damage on the reflector or other parts of the fixture.

5.2 Lamp Adjustment

The lamp holders of all QMAXZ fixtures are aligned at the factory. Due the difference between lamps, fine adjustment may increase the light output.

QMAXZ advises to always re-adjust the lamp position when installing a new bulb

1. Strike the lamp and project an open white beam on a flat surface (wall).
2. Use the 3 screws (see picture) to centre the brightest part of the lamp (hot-spot).
3. Turn the screws one by one clockwise and/or counter clockwise until the hotspot is in the centre of the beam. If you cannot detect the hotspot, adjust the lamp until the output is evenly spread over the beam and the output is the brightest.



6. POWER AND SIGNAL CONNECTION

6.1 AC Power

Do not connect the fixture to a dimmer system; doing so may damage the fixture.

Make sure the fixture is earthed (grounded). The AC mains supply must be fitted with a circuit breaker and earth fault switch (ground fault).

Check that the power supply voltage and frequency are corresponding with the AC mains supply needed by the fixture (check AC mains panel on the fixture).

Before switching on the fixture verify that the pan & tilt lock is released.

Power requirements:

QME700P 180V ~ 260V AC - 50Hz ~ 60Hz - 725Watts

Power lead Connection.

Wire Colour	Pin connection	Symbol
Yellow / Green	AC Earth (ground)	$\perp$
Blue	AC Neutral	N
Brown	AC Live	L

6.2 Fuse replacement

When the fixtures main fuse is blown it can be replaced with a new 31x 6.35mm fuse, 15A/250v.

1. Disconnect the fixture from the mains supply.
2. Open the fuse holder on the fixture power panel by turning the cap counter clockwise using a Philips head screwdriver.
3. Replace the defective fuse and close the fuse holder by putting the cap back in and turning it clockwise until it is locked tightly.
4. Connect the mains power again and turn on the fixture to check proper operation.

There are also two fuses on the main PCB board inside the fixture, for how to replace this please contact your dealer.

6.3 Signal Connections

The QMAXZ QME700P fixtures have both 5 pin XLR and Ethercon RJ45 sockets. For the pin-layout see the following table.

Pin-Layout	
Pin	5 pin XLR
1	Earth
2	Signal – (Cold)
3	Signal + (Hot)
4	No connection
5	No connection

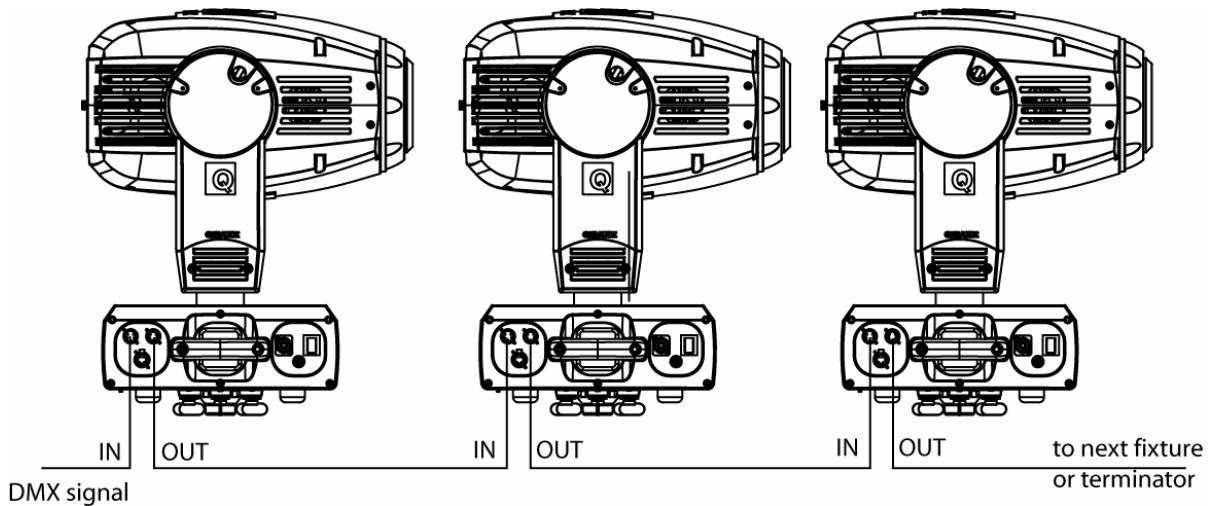
DMX512 connection

Use a shielded twisted pair cable suitable for RS485 (120Ω) operation at 250 baud

Microphone type and other general purpose cabling such as two core audio or signal cables are not suitable for use with DMX512.

Connect the DMX output from the controller to the closest fixture input and connect the fixture DMX output to the next fixture DMX input until all fixtures are connected.

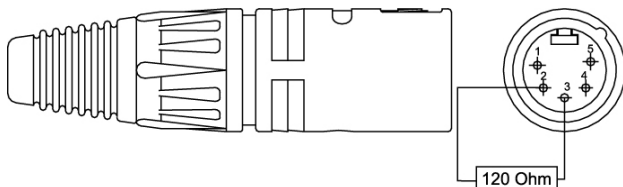
The fixtures DMX address can be set in the Fixture Function Menu (see chapter 7)



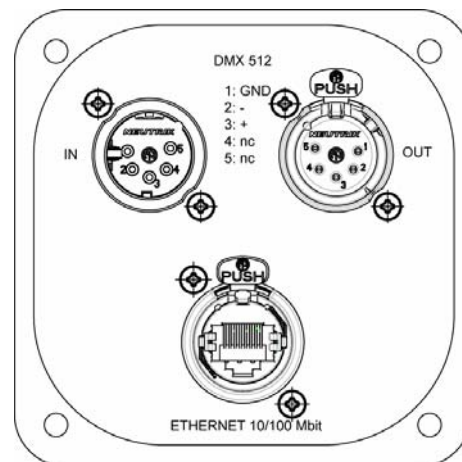
Do not overload the link. A maximum of 10 devices may be connected on a serial link.

Insert a male 120Ω XLR termination plug, in the last fixture. This to avoid signal reflection and interference.

DMX Terminator

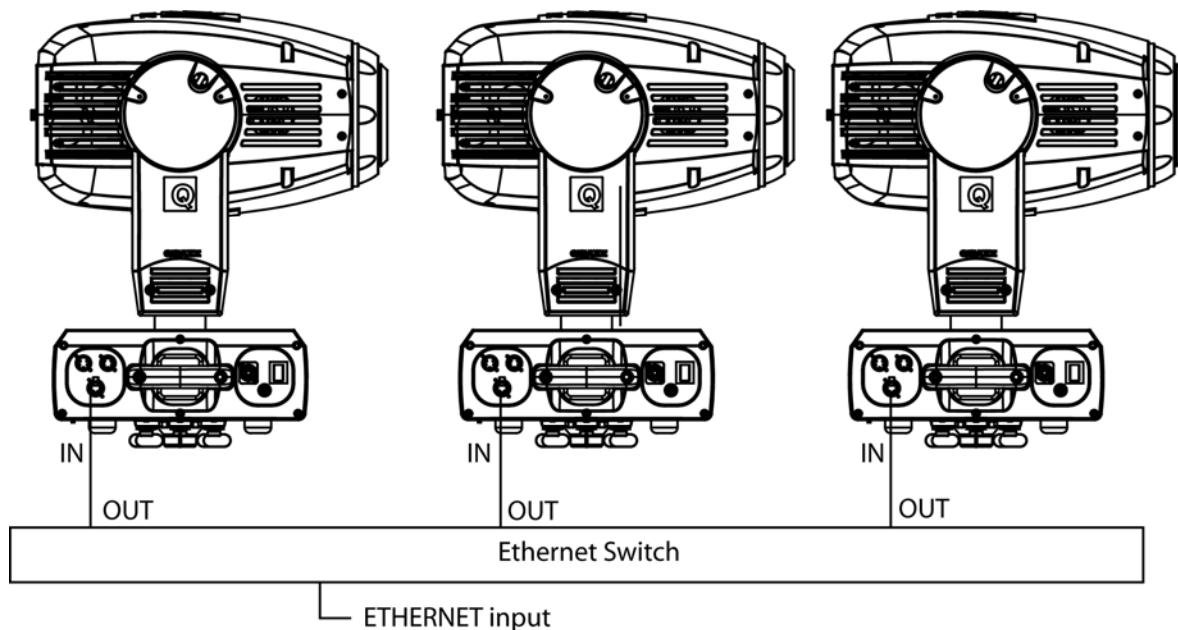


DMX connection panel



Ethernet connection

When connecting the fixture to a network using the Ethercon RJ45 socket use standard Ethernet CAT5 cable. When connecting more than one fixture use of an Ethernet switch is necessary. Always use a professional Ethernet Switch 10/100Mbit (for example ELC lighting type switch8LX) and set Broadcast storm protection to off, the QME700P fixtures are auto MDIX so do not use “crossed” cables. The fixtures DMX-address, Art-Net universe and Network address can be set in the Fixture Function Menu (see chapter 7).



6.4 Fixture Start-up

After finishing the above operations and making sure all the fixtures have been installed with suitable bulbs and connected to a proper mains supply.

1. Release the tilt and pan locks.
2. Turn on the power switch.
3. The display on the fixture will show the QMAXZ logo, fixture model number, the software version number and then “Initialize.....” and starts the reset procedure.
4. After the reset procedure the LCD display will show the DMX address and “DMX input OK” when a DMX signal is detected or “DMX input FAIL” and the display starts flashing when no DMX signal is detected.
5. The fixture default DMX source is set to “DMX512 input”(XLR socket), this can be changed into “Art-net”(RJ45 socket) in the Fixture Function Menu(see chapter 7).
6. When DMX is detected the fixture is ready to use.

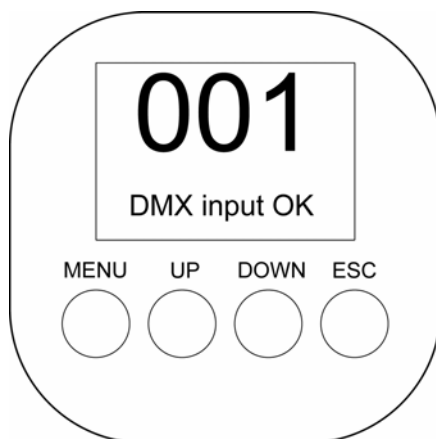
In default menu the lamp will strike automatically, this can be set in the function menu. See chapter 7.

If a start-up without Pan/Tilt reset is required press and hold the [UP] button while turning on the power switch.

7. FIXTURE FUNCTION MENU

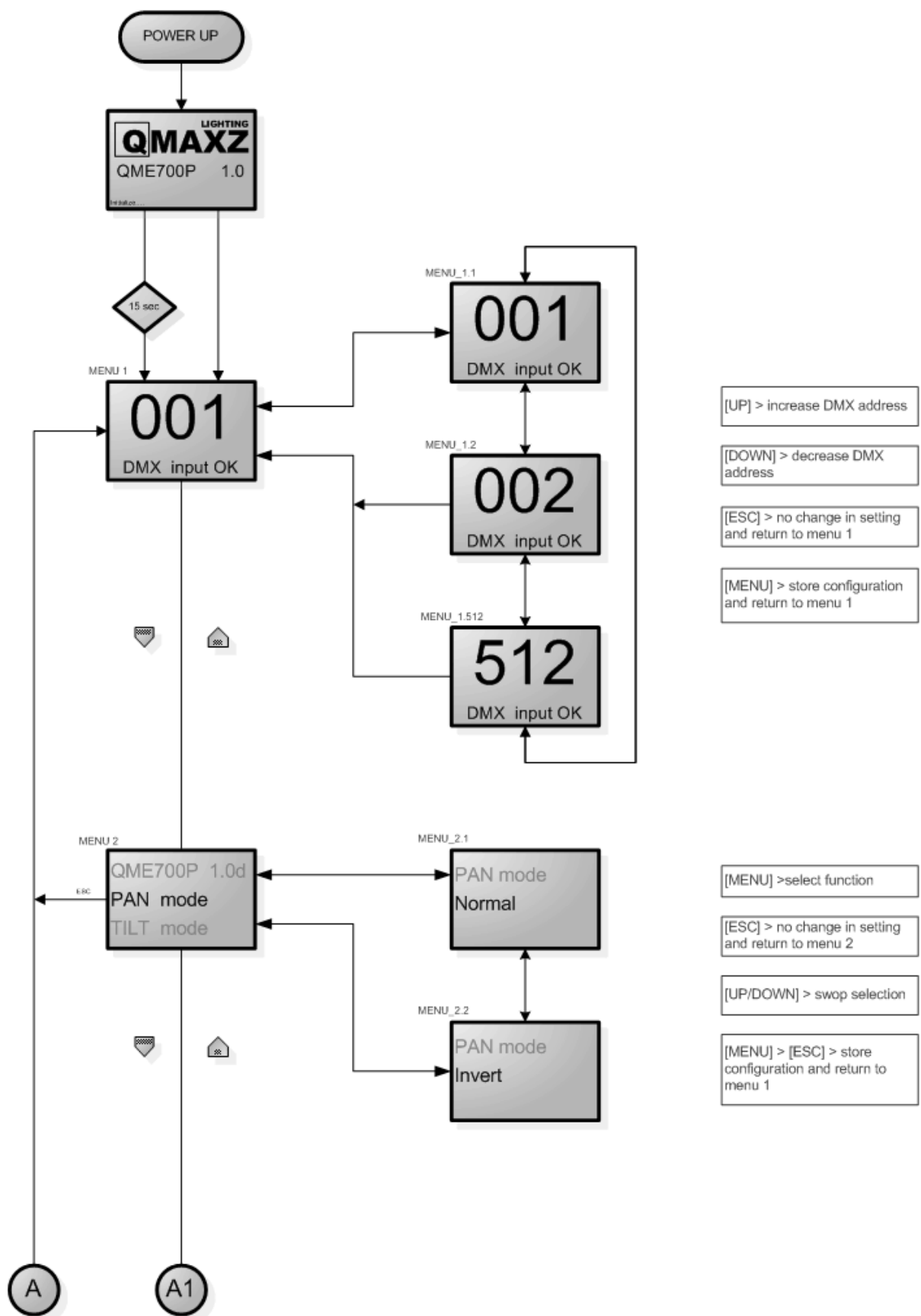
7.1 Function Menu Navigation

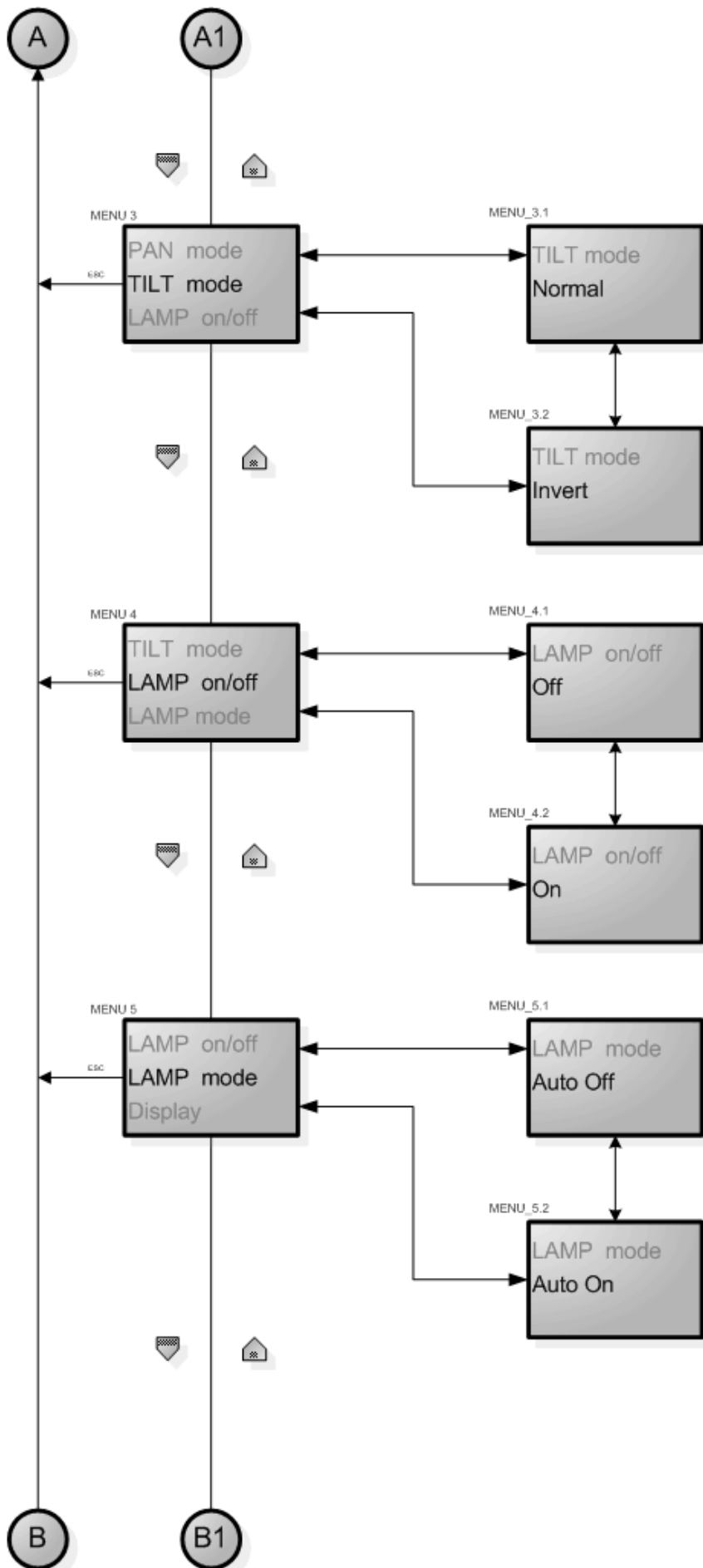
To enter the function menu, press [MENU], then press [UP] / [DOWN] to scroll, [MENU] to select and [ESC] to return to previous menu.



When no button on the control panel is touched for more than 30 seconds the display will turn off and the menu will go back to the DMX start address, to turn it on simply press a button and repeat the above steps to enter the menu.

7.2 Function Menu QME700P.





[MENU] > select function

[ESC] > no change in setting and return to menu 3

[UP/DOWN] > swop selection

[MENU] > [ESC] > store configuration and return to menu 1

[MENU] > select function

[ESC] > no change in setting and return to menu 4

[UP/DOWN] > swop selection

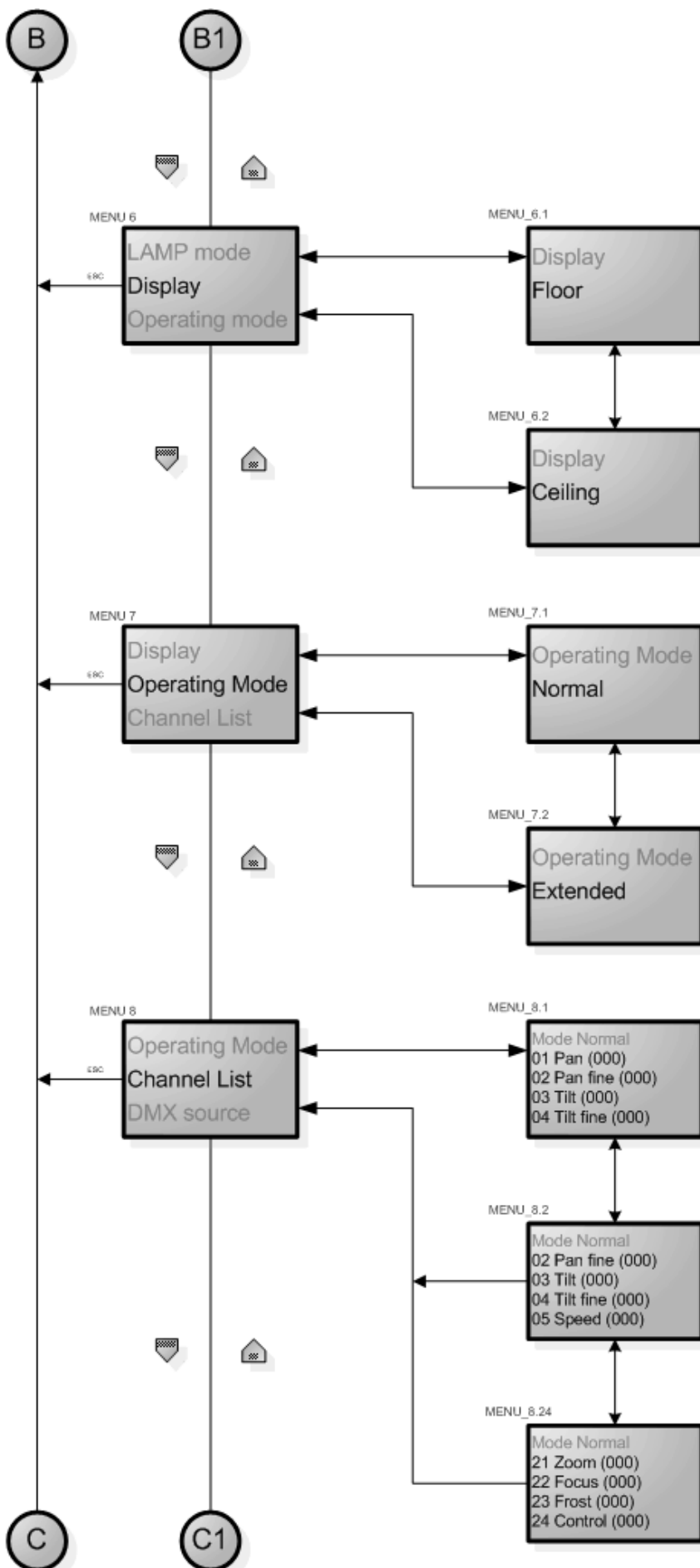
[MENU] > [ESC] > store configuration and return to menu 1

[MENU] > select function

[ESC] > no change in setting and return to menu 5

[UP/DOWN] > swop selection

[MENU] > [ESC] > store configuration and return to menu 1



[MENU] > select function

[ESC] > no change in setting and return to menu 6

[UP/DOWN] > swop selection

[MENU] > [ESC] > store configuration and return to menu 1

[MENU] > select function

[ESC] > no change in setting and return to menu 7

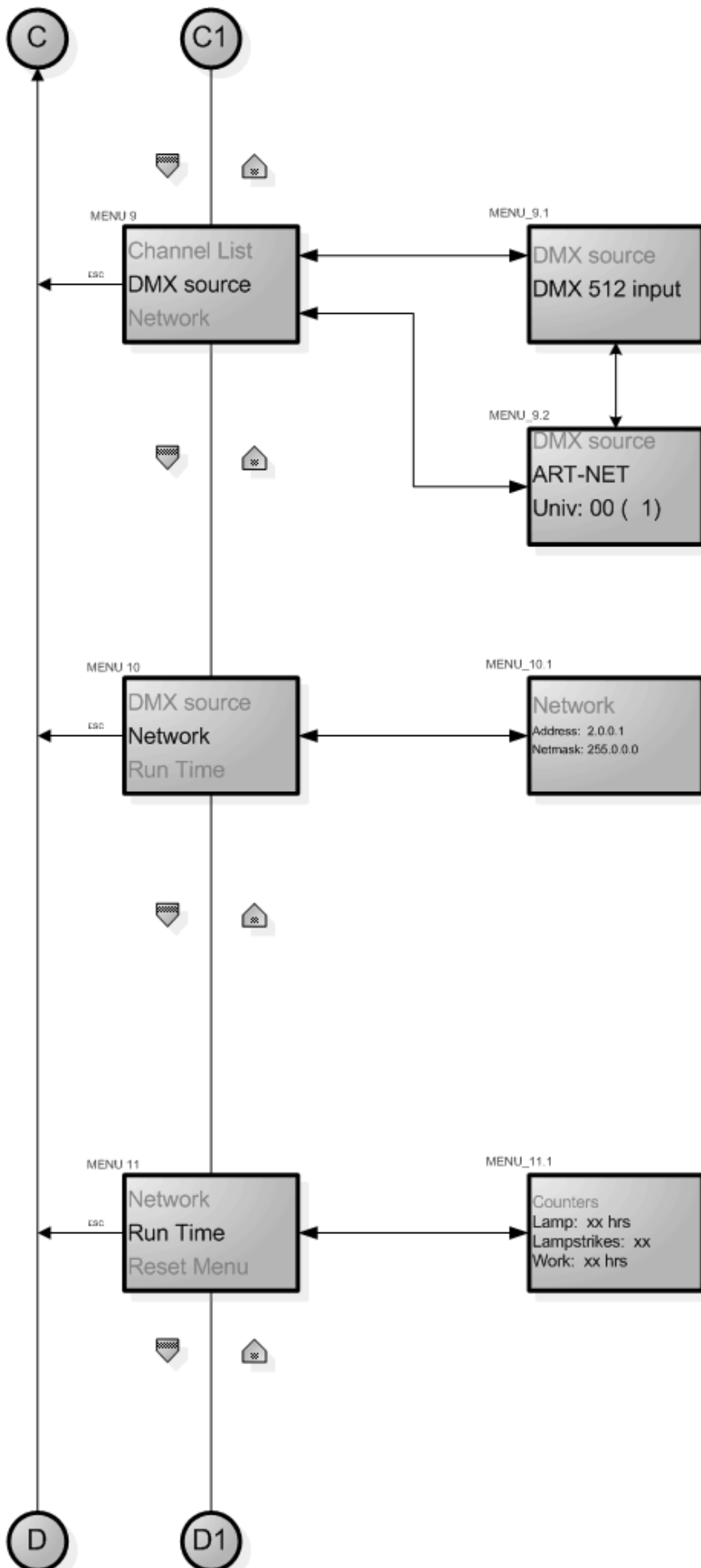
[UP/DOWN] > swop selection

[MENU] > [ESC] > store configuration and return to menu 1

[MENU] > select/deselect function

[ESC] > return to menu 8

[UP/DOWN] > scroll channel list



[MENU] >select function

[ESC] > no change in setting
and return to menu 9

[UP/DOWN] > swop selection
and set Universe

[MENU] > [ESC] > store
configuration and return to
menu 1

[MENU] >select function

[ESC] > no change in setting
and return to menu 10

[UP/DOWN] > set value

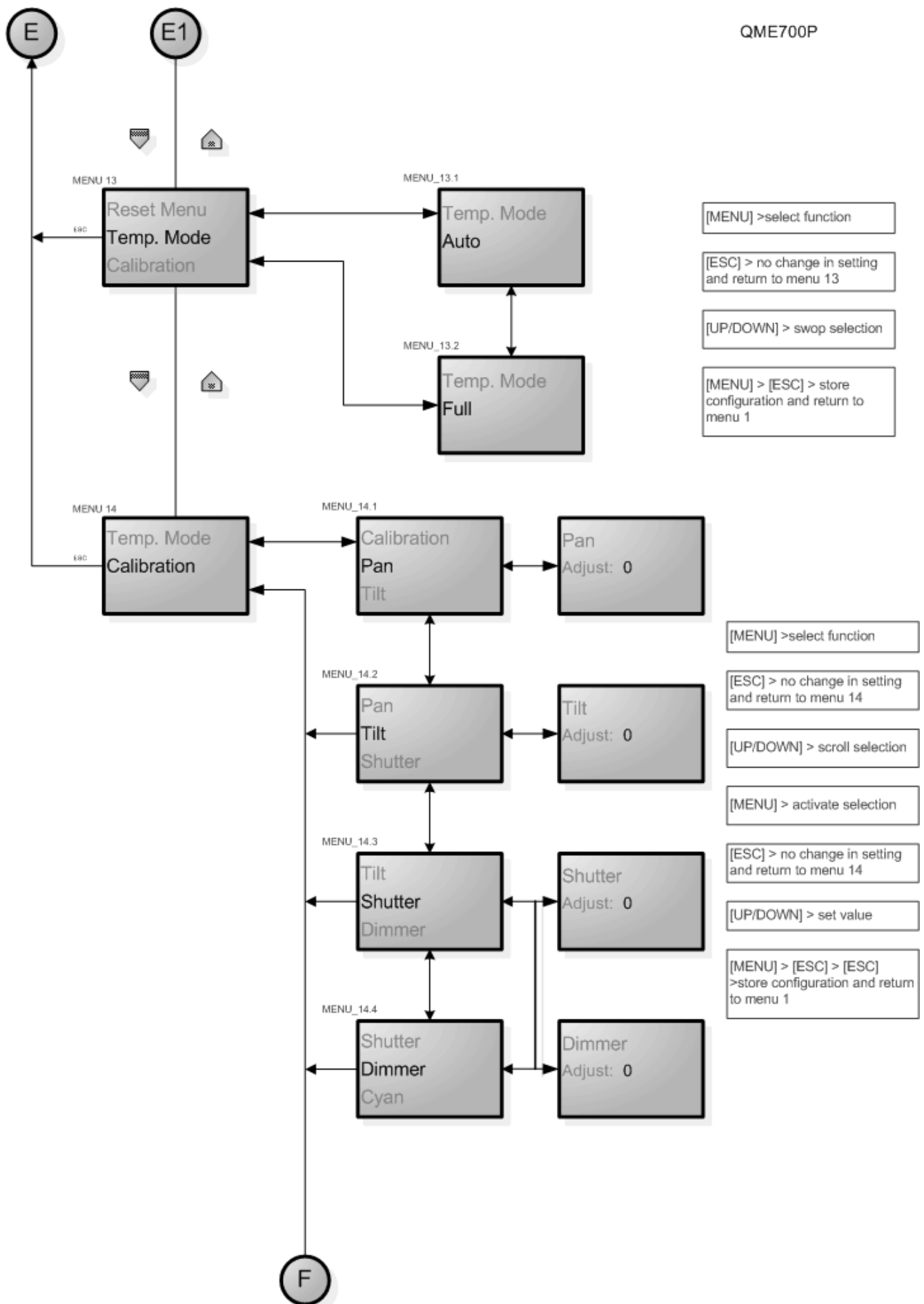
[MENU] > [ESC] > store
configuration and return to
menu 1

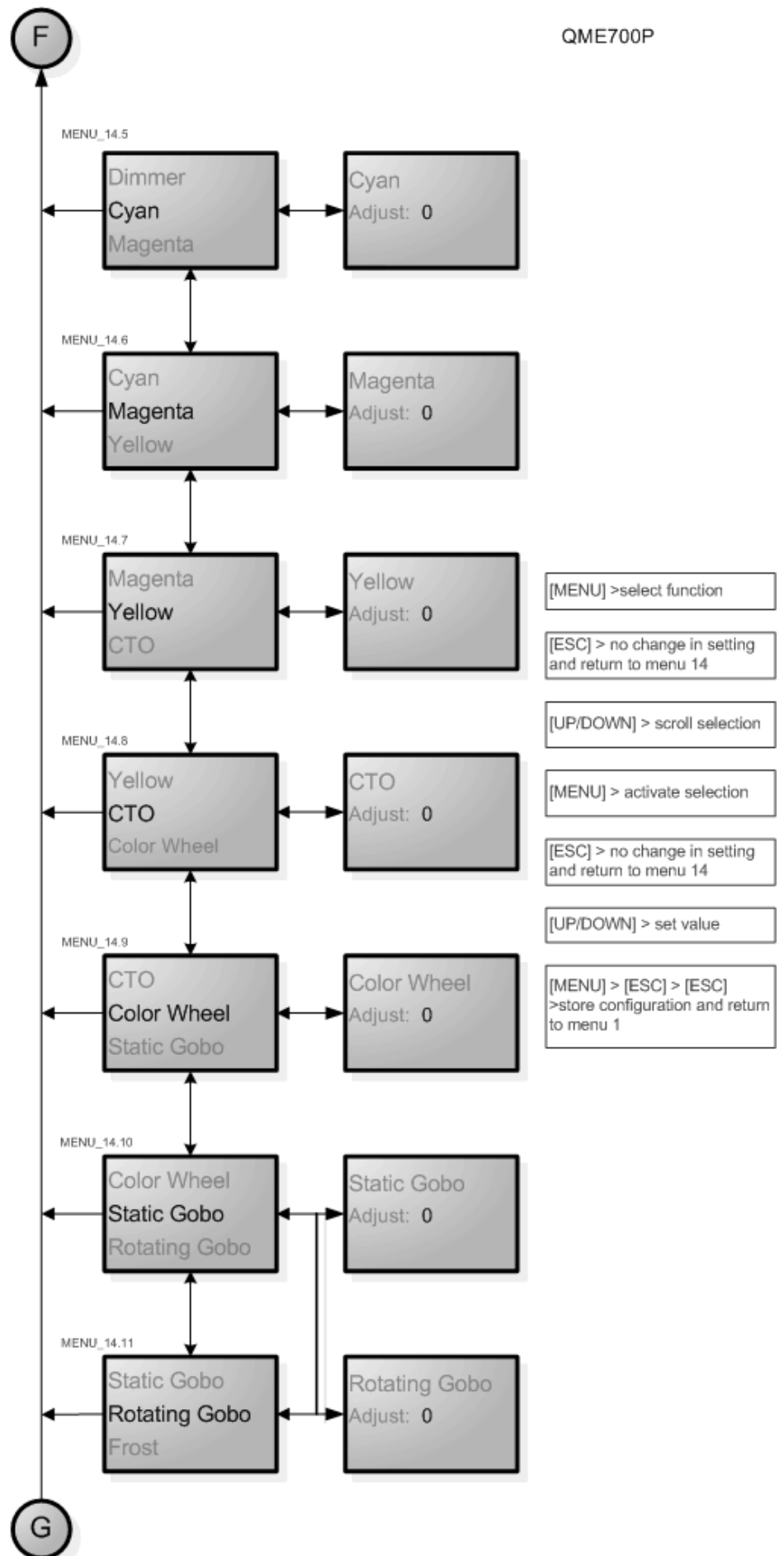
[MENU] >select/deselect
function

[ESC] > return to menu 11

[UP+DOWN] for (15sec)>
reset Lamp hrs & Lampstrikes

[MENU] > execute selected
reset and return to menu 1





F

QME700P

MENU_14.12

Rotating Gobo
Frost
Iris

Frost
Adjust: 0

[MENU] > select function

MENU_14.13

Frost
Iris
Zoom

Iris
Adjust: 0

[ESC] > no change in setting
and return to menu 14

[UP/DOWN] > scroll selection

[MENU] > activate selection

MENU_14.14

Iris
Zoom
Focus

Zoom
Adjust: 0

[ESC] > no change in setting
and return to menu 14

[UP/DOWN] > set value

MENU_14.15

Zoom
Focus

Focus
Adjust: 0

[MENU] > [ESC] > [ESC]
> store configuration and return
to menu 1

7.3 Menu Functions

DMX ADDRESS

Setting the DMX start address, use [UP] or [DOWN] buttons to select, press [MENU] to store the configuration and return to the menu(display will show "Storing Configuration").

To make sure every fixture reacts to the control signal a start address should be given to every QMAXZ fixture. This start address is the first channel used to receive instructions from the controller. To ensure independent control it is important that every fixture has a unique address. However they may share the same addresses if identical behaviour is desired.

When the address of the first fixture is 001, the start address of the next fixture depends on the number of DMX channels used by the previous one. QME700P fixtures are 24 channels@16Bit in "Normal" mode and 26 channels@16Bit in "Extended" mode, default the fixture is in "Normal" mode, "Extended" mode can be set in the "Operating mode" menu.

Example:	First fixture QME700P @ normal mode (24 ch)	start address 001
	Second fixture QME700P @ normal mode (24 ch)	start address 025
	Third....	start address 049

PAN MODE

Setting the PAN rotation direction, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Normal.

TILT MODE

Setting the TILT rotation direction, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Normal.

LAMP ON/OFF

Setting the lamp status, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Off.

LAMP MODE

Setting the lamp power up status, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Auto Off.

DISPLAY

Setting the display mode, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Ceiling.

OPERATING MODE

Setting the fixture channel mode, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Normal.

CHANNEL LIST

Viewing the fixture channel list (for the current Operating mode) and actual receiving DMX values, use [UP] or [DOWN] to scroll the channel list, [MENU] or [ESC] to exit.

DMX SOURCE

Setting the DMX input source socket, use [UP] or [DOWN] buttons to select, for Art-Net Universe setting press [MENU] to highlight the Universe No. then use [UP] / [DOWN] to set, after setting/selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is DMX 512 input.

NETWORK

Setting the fixture network address, press [MENU] to highlight the preferred digit then use [UP] / [DOWN] buttons to set value, after setting all values press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is : Address 2.x.x.x (depending on MAC address), Netmask 255.0.0.0.

RUN TIME

View the fixture runtimes, press [MENU] to select/deselect or [ESC] to exit, to reset the lamp hrs. & lamp strike counters press and hold [UP] & [DOWN] for 15sec..

RESET MENU

Perform a complete or individual reset, use [UP] or [DOWN] buttons to scroll the list, press [MENU] to execute the reset and return to previous menu, [ESC] to exit.

TEMP MODE

Setting the fan's mode, use [UP] or [DOWN] buttons to select, after selection press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is Auto.

CALIBRATION

Setting the individual motor calibration, use [UP] or [DOWN] buttons to scroll the list, [ESC] to exit, press [MENU] to highlight the value, use [UP]/[DOWN] to set the value, after setting press first [MENU] then [ESC] to store configuration(display will show "Storing Configuration") .
Default value is "0".

7.4 Function overview

Model	QME700P	
Function	Normal	Extended
Pan	√	√
Pan fine	√	√
Tilt	√	√
Tilt fine	√	√
Move Speed	√	√
Shutter	√	√
Dimmer	√	√
Dimmer Fine		√
Color wheel	√	√
Cyan	√	√
Magenta	√	√
Yellow	√	√
CTO	√	√

Static gobo wheel	√	√
Rotating gobo wheel	√	√
Gobo rotation	√	√
Gobo rotation fine	√	√
Prism	√	√
Animation wheel	√	√
Animation rotation	√	√
Animation rotation fine		√
Iris	√	√
Zoom	√	√
Focus	√	√
Frost	√	√
Control	√	√

8. GOBO AND GOBO SIZE

Unplug from mains before changing any gobo and let the fixture cool down completely.

8.1 Fixed / Metal Gobos overall size 28mm, image size 22mm

Standard factory installed:



Optional gobo's:



8.2 Rotating / Glass Gobos overall size 28mm, image size 21,5mm

Standard factory installed:



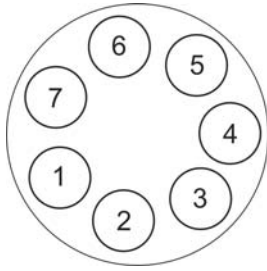
Optional gobo's:



8.3 Gobo positions

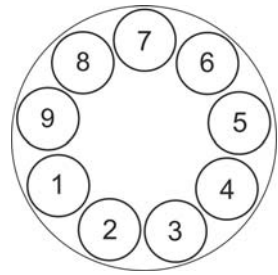
Gobo positions Wheel 1 (rotating):

Position 1 = QGG1
Position 2 = QGG2
Position 3 = QGG3
Position 4 = QGG4
Position 5 = QGG5
Position 6 = QGG6
Position 7 = Open



Gobo positions Wheel 2 (fixed):

Position 1 = QGM1
Position 2 = QGM2
Position 3 = QGM3
Position 4 = QGM4
Position 5 = QGM5
Position 6 = QGM6
Position 7 = QGM7
Position 8 = QGM8
Position 9 = Open



8.4 Gobo replacement

The fixture head has a top and bottom cover, to determine which cover is the top or bottom turn the fixture head horizontally with the lamp housing back plate towards you, the text on the back plate should be in normal readable position.

Replacing fixed / metal gobo

1. Disconnect the fixture from mains power and let it to cool down completely.
2. Turn the fixture head horizontally with the bottom cover on top, and lock the head with the tilt lock.
3. Remove the bottom cover of the fixture using a Philips head screwdriver to loosen the 4 screws, the screws are locked for falling out so they can not be taken out completely, lift the cover and loosen the safety cable on the back side.
4. Remove the white glue with a sharp small knife carefully, the glue is attached in the factory as an extra precaution to prevent the gobo of coming out, under normal conditions the glue is not necessary but QMAXZ advises to put glue on when the gobo is replaced.
5. Lift the gobo a little bit from the wheel and pull it towards you to take it out.
6. Put in a new gobo by sliding it in the pocket on the wheel, and secure it with a drop of glue.
7. Attach the safety cable of the cover again, and put the cover back on, tighten the 4 screws.

Replacing rotating / glass gobo

1. Disconnect the fixture from mains power and let it to cool down completely.
2. Turn the fixture head horizontally with the top cover on top, and lock the head with the tilt lock.
3. Remove the top cover of the fixture using a Philips head screwdriver to loosen the 4 screws, the screws are locked for falling out so they can not be taken out completely, lift the cover and loosen the safety cable on the back side.
4. Lift the rotating gobo-holder a little bit from the wheel and pull it towards you to take it out.
5. Remove the fixation spring from the holder and take out the gobo.
6. Put in a new glass gobo, with the most reflective side towards the lamp.
7. Put back the gobo holder by sliding it into the pressing clamp and then press it towards the wheel lock into the snaps.
8. Attach the safety cable of the cover again, and put the cover back on, tighten the 4 screws.

9. MAINTENANCE

Unplug from mains before starting any maintenance work and let the fixture cool down completely.

It is essential to keep the fixture clean from dust, dirt and smoke-fluid residues. Therefore we recommend cleaning the fans every 15 days, depending on the circumstances.

Remove dust from fans and ventilation inlet with a soft brush, cotton swab, vacuum, or compressed air. The lens, gobo's and dichroic colours should also be cleaned monthly to ensure a optimum light output, but will also allow the fixture to function reliably throughout its life.

A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used!

The QMAXZ fixture does not require lubrication under normal circumstances. The slides for the zoom and focus lens cars are lubricated with a long-lasting Teflon-based grease that can be reapplied by you're dealer.

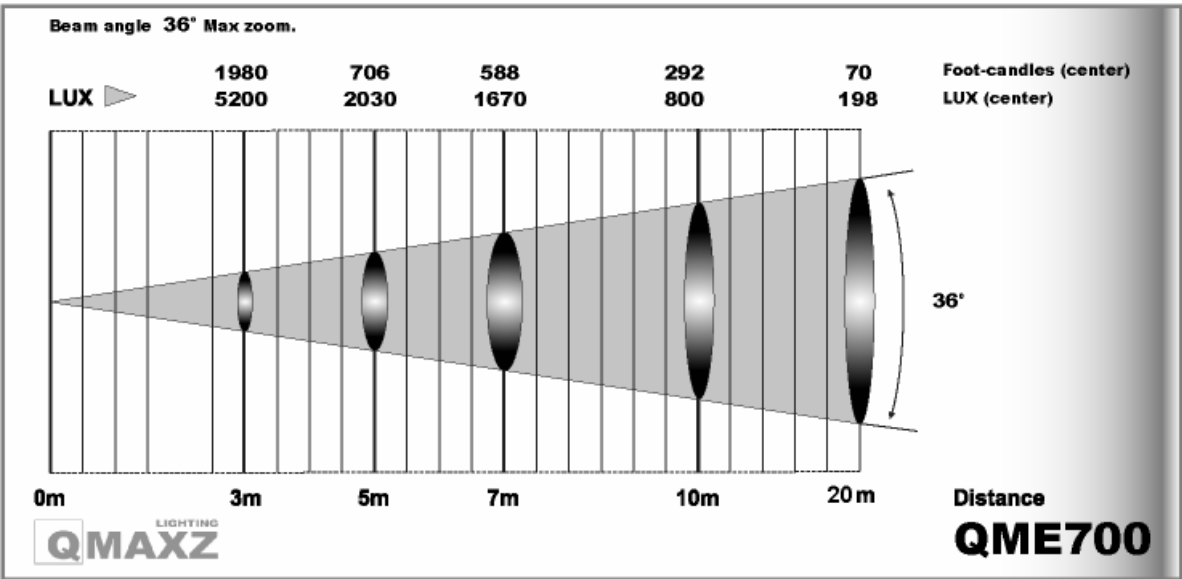
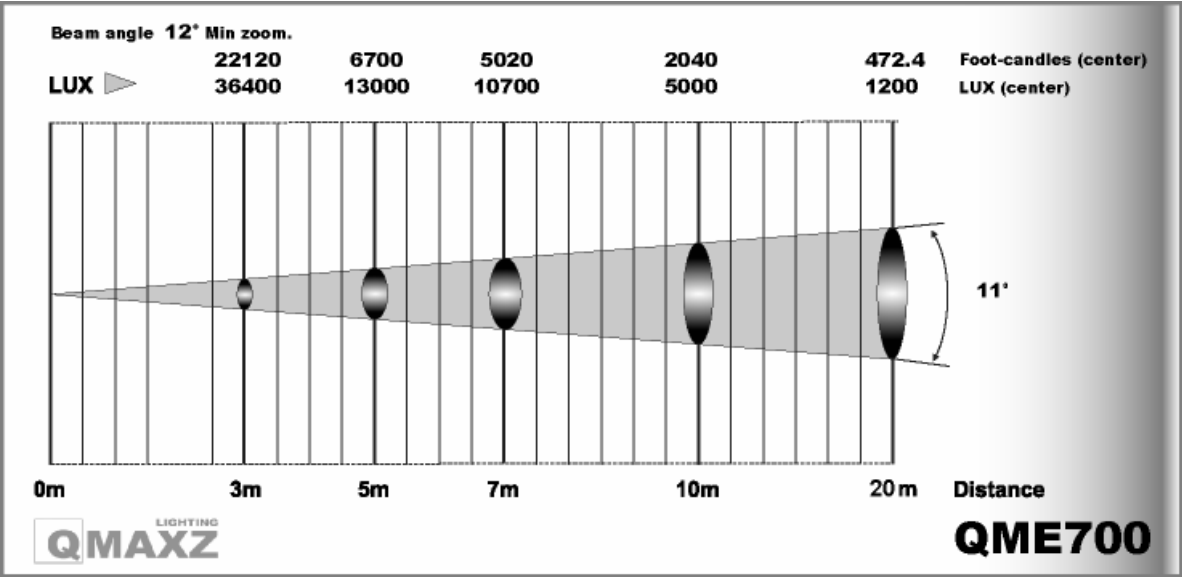
Check main power plug regularly, for connection and mechanical liability.

10.1 Technical Data

Model	QME700P
Channels (normal)	24
Channels (extended)	26
DMX Protocol	DMX 512 & Art-Net
Voltage (V)	180~260V
Frequency (Hz)	50~60Hz
Power Consumption	725W
Pan	540°
Tilt	250°
Dimensions Fixture	775x494x365
Dimension Carton	815x562x562
Net. Weight	32Kg
Gross Weight	34Kg

10.2 Photometric Data

QME700P:



11. DMX PROTOCOL

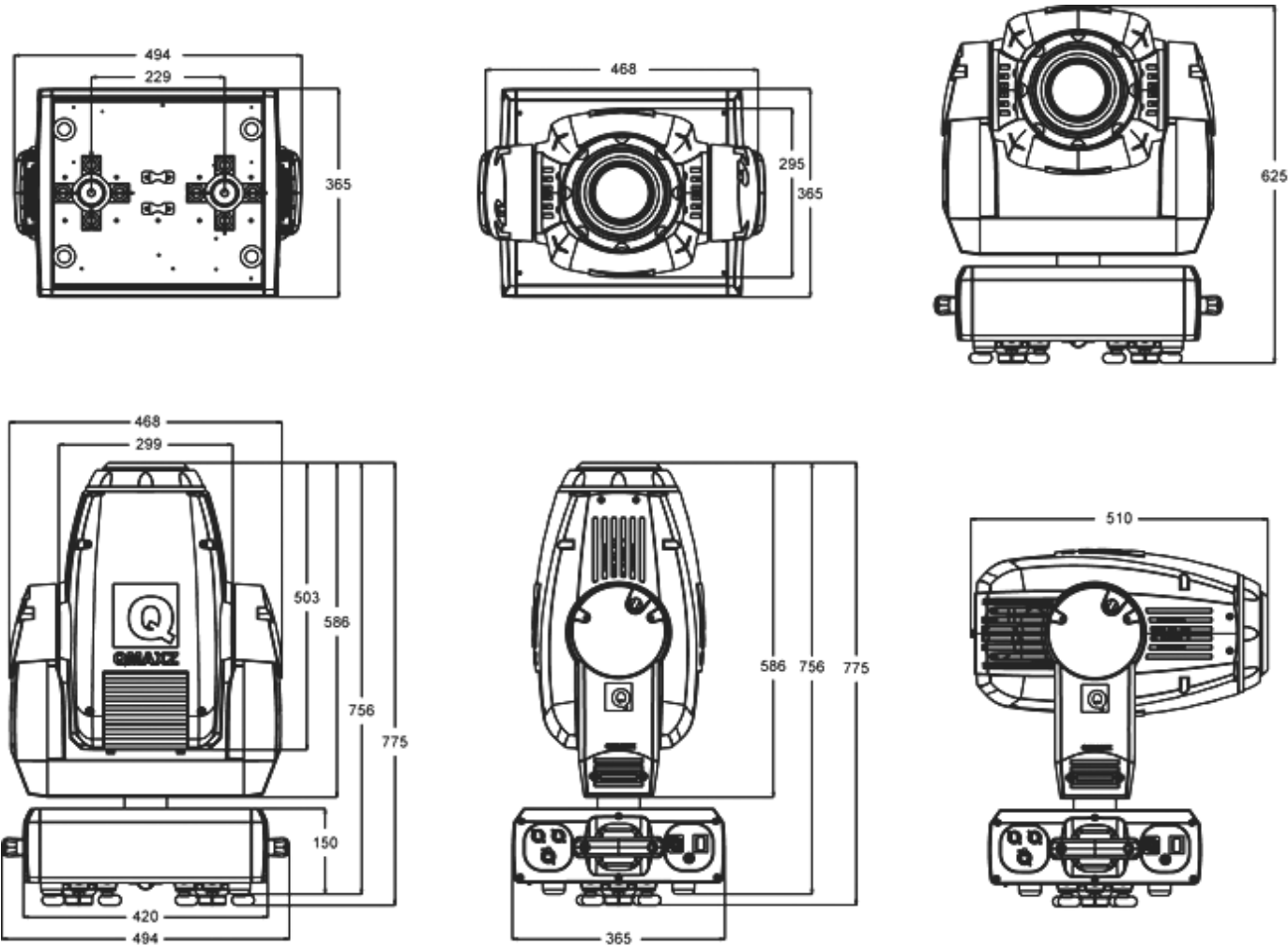
11.1 QME700P CHANNEL LIST

QME700P DMX Protocol					
Operating Mode		Function	DMX value		Function Descriptions
Normal	Extended		Default	Range	
1	1	Pan	128	0-255	
2	2	Pan Fine	128	0-255	
3	3	Tilt	128	0-255	
4	4	Tilt Fine	128	0-255	
5	5	Move Speed	0	0-255	
6	6	Shutter	30	0-15	Closed
				16-31	Open(Dimmer doors mode)
				32-95	Strobe(Fast>>Slow)
				96	Closed
				97-159	Random(Slow>>Fast)
				160-249	Open(Reserved)
				250-255	Open(Shutter flags as dimmer, dimmer doors open)
7	7	Dimmer	0	0-255	Closed>>Open(Either shutter flags or dimmer doors depending on channel 6 value)
	8	Dimmer Fine	0	0-255	
8	9	Color Wheel	0	0-15	Open white
				16-23	Color 1 (Dark Blue)
				24-31	Color 2 (Yellow)
				32-39	Color 3 (Purple)
				40-47	Color 4 (Green)
				48-55	Color 5 (Orange)
				56-63	Color 6 (Light Blue)
				64-71	Color 7 (Red)
				72-79	Open white
				80-192	Color Index
				193-223	Rotate CW (Fast>>Slow)
				224-226	Stop
				227-225	Rotate CCW (Slow>>Fast)
9	10	Cyan	0	0-255	Open>>Closed
10	11	Magenta	0	0-255	Open>>Closed
11	12	Yellow	0	0-255	Open>>Closed
12	13	Correction	0	0-255	Open>>Closed
13	14	Static Gobo Wheel	0	0-7	Open
				8-15	Gobo 1
				16-23	Gobo 2
				24-31	Gobo 3
				32-39	Gobo 4
				40-47	Gobo 5
				48-55	Gobo 6
				56-63	Gobo 7
				64-71	Gobo 8
				72-255	Open (reserved)
14	15	Rotating Gobo Wheel	0	0-7	Open
				8-15	Gobo 1
				16-23	Gobo 2
				24-31	Gobo 3
				32-39	Gobo 4
				40-47	Gobo 5
				48-55	Gobo 6
				56-255	Open (reserved)

QME700P DMX Protocol

Operating Mode		Function	DMX value		Function Descriptions
Normal	Extended		Default	Range	
15	16	Gobo Rotation	0	0-127	Index 0-360°
				128-190	Rotate CW (Fast>>Slow)
				191-192	Stop
				193-255	Rotate CCW (Slow>>Fast)
16	17	Gobo Rotation Fine	0	0-255	
17	18	Prism	0	0-3	Open
				4-19	In
				20-127	Manual rotation 360°
				128-189	Rotate CW (Fast>>Slow)
				190-194	Stop
				195-255	Rotate CCW (Slow>>Fast)
18	19	Animation Wheel	0	0-3	Open
				4-255	Wheel orientation
19	20	Animation Rotation	0	0-127	Index 0-360°
				128-190	Rotate CW (Fast>>Slow)
				191-192	Stop
				193-255	Rotate CCW (Slow>>Fast)
	21	Animation Rotation Fine	0	0-255	
20	22	Iris	0	0-127	Open>>Closed
				128-191	Pull (Slow>>Fast)
				192-255	Push (Slow>>Fast)
21	23	Zoom	0	0-255	Wide>>Small
22	24	Focus	0	0-255	Near>>Far
23	25	Frost	0	0-255	Open>>Full frost
24	26	Control	0	0-127	No function
				128-143	Set Fans to full
				144-159	Set fans to Auto mode
				160-175	Reset Pan/Tilt (2sec)
				176-191	Reset All motors (2sec)
				192-207	Lamp On (5sec)
				208-223	No function
				224-239	Lamp Off (10sec)
				240-255	No function

10.3 Dimensional Drawings



12. TROUBLESHOOTING

Problem	Possible cause	Solution
The fixture is not doing anything and looks completely dead	There is no power to the fixture	Check the mains power supply and power-plug connections
	Power input fuse is blown	Replace the external main fuse (15A), located in the mains connector on the power panel.
Fixture is powered up and performs reset functions but does not respond on DMX input	The controller is not or not well connected	Check the controller connection
	The connection cables are broken or not wired in the proper way.	Check the connection cables for damage or false wiring, see chapter 6
	The fixtures DMX source is not set to the connected socket.	Check the setting of the fixture DMX source in the Fixture Function Menu(chapter 7)
Fixture is responding on DMX input but makes uncontrolled moves or function changes	Poor data quality from controller	Check controller data quality with a DMX tester, also check the data link connection, and check cables for correct connection or damage, see if one of the fixtures in the link is causing the problem (bad DMX data board).
	Bad data link connection	Check DMX cables for proper connection, correct wiring, and repair cables if damaged.
	DMX link not terminated with 120 Ohm termination plug.	Insert DMX terminator in the last fixture of the link.
	A bad or wrong setup Ethernet switch is used with RJ45 socket.	Try connecting the fixture directly without the Ethernet switch or try a different switch.
	A fixture has a malfunctioning DMX data board.	Try if the problem still occurs when taking the fixture with the probable defective DMX data board out of the link. Contact your dealer for replacing the DMX data board.
	The fixture is not on the correct DMX start address.	Check the fixtures DMX start address.
	The fixtures and controller data rates do not match.	Make sure the DMX rates of the controller matches the DMX specs. of the fixture.
Fixture has no light output	The mains power supply does not match the fixture requirements.	Check if the mains power supply is matching the fixture requirements, if not disconnect the fixture and make sure the mains supply is changed in the fixtures required supply before connecting again.
	Lamp is missing or defective.	Disconnect the mains power supply and replace the lamp (see chapter 5).
	Lamp or fixture is too hot for restrike.	Let the fixture cool down and try again. Clean fans and air vents.
	Shutter is in blackout mode.	Take shutter from blackout mode or perform a reset.
After start-up the lamp goes off or goes off and on with intervals	Fixture lamp is too hot	Let the fixture cool down and try again. Clean fans and air vents.
	The mains power supply does not match the fixture requirements.	Check if the mains power supply is matching the fixture requirements, if not disconnect the fixture and make sure the mains supply is changed in the fixtures required supply before connecting again.
	Lamp has reached the end of his lifetime cycle.	Disconnect the mains power supply and replace the lamp (see chapter 5).

13. INFO

For more detailed technical info or support visit the QMAXZ website at www.qmaxz.com or contact your dealer.

All QMAXZ products have CE approvals and are made with the greatest care for your safety and liability, use the QMAXZ products always according to the instructions in the manual.

QMAXZ products are for professional use only and are not suitable for domestic use; they should be handled and operated by a professional and skilled person only to prevent any danger.

If there is any doubt of safe operation during the products lifetime please contact your dealer or QMAXZ lighting at all times to check whether it is safe to use the product before operating it.

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