

## USER MANUAL

# DANTE 36-B-61 or 36-S-61



### CAUTION

Keep this device away from rain and moisture  
Unplug main lead before opening the housing!

For your own safety, please read this user manual carefully before you initially start-up  
Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- Follow the instruction of this manual
- Consider this manual to be part of the total product
- Keep this manual for the entire service life of the product
- Pass this manual on to every further owner or user of the product
- Download the latest version of the user manual from the internet

### INSTRUCTION

Thank you for having chosen Par 36LED. If you follow the instruction given in this manual, we are sure that you will enjoy this device for long period of time

Unpack your Par 36LED

Before you initially start up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

### SAFETY INSTRUCTION



Be careful with your operation. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instruction and warning notes written in this manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defect or problem.

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation),

do not

switch it on immediately. The arising condensation water might damage your device. Leave the device switch off until it reaches room temperature

Please make sure that there are no obvious transport damages. Should you notice any damage on the A/C connection cable or on the casing. Do not take the device into operation and immediately consult your local dealer.

This device falls under protection class 1. The power plug must only be plugged into a protection class 1

outlet. The voltage and frequency must exactly be the same as stated on the device. Wrong voltage or power outlets can lead to the destruction of the device and to mortal electric shock.

Always plug in power plug last. The power plug must always be inserted without force. Make sure that the

plug is tightly connected with the outlet

Never let the power cord come into contact with other cables! Handle the power cord and all connection with

the mains with particular caution! Never touch them with wet hands, as this could lead to mortal electric shock.

Never modify, bend, strain mechanically, put pressure on, pull or heat up the power cord. Never operate next to source of heat or cold. Disregard can lead to power cord damages, fire or mortal electric shock

The cable insert or female part in the device must never be strained. There must be sufficient cable to the device otherwise, the cable may be damaged which may lead to mortal damage.

Make sure that the power cord is never crimped or damaged by sharp edges. Check the device and the power cord from time to time.

If extension cords are used, make sure that the core diameter is sufficient for the required power consumption of the device. All warnings concerning the power cords are also valid for possible extension cords.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord. Otherwise, the cable or plug can be damaged leading to mortal electrical shock. If power plug or power switch is not accessible, the device must be disconnected via mains.

If the power plug or the device is dusty, the device must be taken out of operation, disconnected and then be cleaned with a dry cloth. Dust can reduce the insulation which may lead to mortal electrical shock.

More severe dirt in and at the device should be removed by a specialist.

There must never enter any liquid into outlets, extension cords or any holes in the housing of the device. If you suppose that also a minimal amount of liquid may enter the device, it must immediately be disconnected. This is also valid, if the device was expose to high humidity. Also if the device is still running, the device must be checked by a specialist if liquid has reduce any insulation. Reduce insulation san cause mortal electrical shock.

There must never be any object entering into the device. This is especially metal parts. If any metal parts like staple or coarse metal chips enter into the device must be taken out of operation and disconnected immediately.

Malfunction or short circuit cause by metal parts may cause mortal injuries

During initial start up some smoke or smell may arise. This is normal process and does necessarily means that the device is defective

### **HEALTH HAZARD!**



Never look directly into the light source, as sensitive person may suffer an epileptic shock

( especially meant for epileptics)

Keep away Children and armature!

Never leave this device running un attended

### **OPERATING DETERMINATIONS**

This device is a lighting effect for creating decorative effects. This product is only allowed to be operated with an alternating voltage of 90V/240V,50/60Hz and was designed for indoor use only

This device is designed for professional use e.g. on stage in discotheques, theatres etc.

Lighting effects are not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for long time without defects.

Do not shake the device. Avoid brute force when installing or operating the device.

When choosing the installation-spot please make sure that the device is not expose to extreme heat,moisture or dust. There should not be any cable lying around. You endanger your own and safety of others!

This device must never be operated or stockpiled in surrounding where splash water ,rain, moisture or fog may harm the device. Moisture or very high humidity can reduce the insulation and lead to mortal electrical shock. When using smoke machine make sure that the device is never expose to the direct smoke jet and is installed in a distance of 0.5 meter between smoke machine and device. The room must only be saturated with an amount of

smoke that the visibility will always be more than 10 meter.

The ambient temperature must always be between  $-5^{\circ}\text{C}$  and  $+45^{\circ}\text{C}$  Keep away from direct insulation

( particularly in cars) and heater.

The relative humidity must not exceed 50% with an ambient temperature of  $45^{\circ}\text{C}$

This device must only be operated in an altitude between -20 and 2000 m over NN.

Never use the device during thunderstorm . Over voltage could destroy the device. Always disconnect the device during thunderstorms

The symbol ter m i n e s t h e m i n i m u m distance from lighted object. The minimum distance between light-output and the illuminated surface must be more than 0.1 meters

This device is only allowed for an installation via mounting bracket. In order to safe guard sufficient ventilation leave 50 cm of free space around the device

The housing must not touch surrounding surface or object.

Make sure that the are bellow the installation place is block when rigging, de rigging or servicing the fixture

Always fix the fixture with safety rope.

The maximum ambient temperature  $45^{\circ}\text{C}$  must never exceed.

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damage are the result of unprofessional operation.

Do not use solvent or aggressive detergents in order to clean the device! Rather use soft and damp cloth

Please use original packaging if the device is to be transported

Please consider that unauthorized modification on the device are forbidden due to safety reasons!

If this device will operated in any way different to the describe in this manual, the product may suffer damage and the guarantee becomes void. Further more, any other operation may lead to danger like short circuit, burns, electric shock, lamp explosion, crash etc.



The installation of the projector has to be build and constructed in a way that can hold 10 times the weight for 1 hour without any harming deformation

The installation must always be secure with a secondary safety attachment, e.g. appropriate catch net. This secondary safety attachment must be constructed in a way that no part of installation can fall down if the main attachment fails.

When rigging, dragging or servicing the fixture staying in the area below the installation place ,on bridges under high working places and other endangered areas is forbidden

The operator has to make sure that safety relating and machine technical installation are approve by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety relating and machine technical installation are approve by an expert after every four years in the course of an acceptance

The operator has to make sure that safety relating and machine technical installation are approve by a skilled person once a year

#### **Procedure:**

The projector should be installed outside areas where persons may walk by or be seated

**IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE,** including (but not limited to) calculating working load limit, installation material being use, and periodic safety inspection of all installation material and the projector. If you lack these qualification, do not attempt the installation yourself but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.

The projector has to be installed out of reach of people

If the projector shall be lowered from the ceiling or high joints, Professional trussing system have to be used. the projector must never be fixed swinging freely in the room

Caution: Projector may cause sever injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the projector

Before rigging make sure that the installation area can hold a minimum point load of ten times the projector's



#### **DANGER OF FIRE!**

When installing the device, make sure there is no highly inflammable material ( decoration articles , etc.) within a distance of min. 0.5m

Mount the projector with the mounting bracket to your trussing system using an appropriate clamps

For over head use, always install a safety rope that can hold at least 12 times the weight of the fixture. You must only use safety ropes with quick links with screw cap. Pull the safety rope through the hole in the mounting bracket and over the trussing system ar safe fixation spot. Insert the end in the quick link and lighten the safety screw.

The maximum drop distance must never exceed 20 cm.

A safety rope which already hold the strain of a crash or is defective must not be used again

Adjust the desired inclination angle via mounting bracket and tighten the fixation screws

Connect the fixture to the main with the power plug.

#### **The occupation of the connection cable is as follows:**

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	



#### **DANGER TO LIFE!**

**Before taking into operation for the first time, the installation has to be approved by an expert!**

DMX-512 connection / connection between fixture



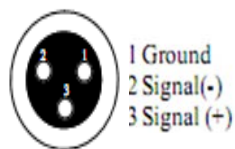
The wires must not come into contact with each other, otherwise the

Only use a stereo shielded cable and 3-pin XLR– plugs and connector in order to connect the controller with the fixture or one fixture with another.

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Occupation of the XLR– connector

DMX - input  
XLR mounting- socket



DMX - output  
XLR mounting- socket:



If you are using controllers with this occupation. You can connect the DMX- output of the controller directly with the DMX—input of the first fixture in the DMX chain. If you wish to connect DMX- controller with other XLR- outputs, you need to use adapter cable

Building a serial DMX chain:

Connect the DMX- output of the first fixture in the DMX chain with the DMX- input of the next fixture. Always connect one output with the input of the next fixture until all fixture are connected.

Caution: At the last fixture, the DMX- cable has to be terminated with the terminator. Solder a 200Ω resistor between Signal(-)Signal (+) into a 3 pin XLR plug and plug it in the DMX output of the last fixture



MODE A (0001)

	Channe 1 mode	Channe 2 speed	Channe 3 red	Channe 4 green	Channe 5 blue	Channe6 black out
Black out	0-25	—	—	—	—	Black out
R.G.B. Function	26-50	0-255 total brightness control	0-255 Red brightness	0-255 Green brightness	0-255 Blue brightness	Black out
Flash	51-100	0 Slow 255 Fast	0-255 Red brightness	0-255 Green brightness	0-255 Blue brightness	Black out
7 Color channel	101-150	0 Slow 255 Fast	black out	black out	black out	black out
7 color fade	151-200	0 Slow 255 Fast	black out	black out	black out	black out
sound control	201-240	Sensitivity	black out	black out	black out	black out
R.G.B. ALL BRIGHT	241-255	ALL BRIGHT	black out	black out	black out	black out

MODE B (1001)

Channe 1 red	Channe 2 green	Channe3 blue	Channe4 black out	Channe 5 REORDERING	Channe6 mode
0-255 brightness	0-255 brightness	0-255 brightness	black out	0-255 TotalBrightness	black out
black out	black out	black out	black out	Voice sensetivity 0 Low 255 high	001-005 7 color gradient
0-255 red	0-255 green	0-255 blue	black out	0-255 total brightness	006-010
0-255 red	0-255 green	0-255 blue	black out	0-255 Flash speed	011-255 flash

MODE C (2001)

Channe 1 red	Channe 2 green	Channe 3 blue	Channe4 Black out
0-255 brightness	0-255 brightness	0-255 brightness	Black out

Manually Mode.

2-00 Sound control button Up / Down Volume sensitivity 2-99 min; 2-00 max

3-00 Red color button Up / Down Brightness 3-00 off 3-01 min; 3-99 max

4-00 Green color button Up / Down Brightness 4-00 off 4-01 min; 4-99 max

5-00 Blue color button Up / Down Brightness 5-00 off 5-01 min; 5-99 max

6-00 Black out

7-00 R, B color button Up / Down Brightness 7-00 off ; 7-01 min; 7-99 max

8-00 B, G color button Up / Down Brightness 8-00 off ; 8-01 min; 8-99 max

9-00 R, G, B, color button Up/Down Brightness 9-00 off 9-01 min; 9-99 max

a. R. G. B

b. Black out

c. Flash button Up / Down speed c-00 fast ; c-99 slow

d 7 color change button Up / Down speed d-00 fast d-99 slow

e 7 color Flash button Up / Down speed e-00 fast e-99 slow

f 7 color fade button Up / Down speed f-00 fast ; f-99 slow

0001 DMX addressing button Up / Down channel 0001 to 0510

1001 MODE B FUNCTION ADDRESS 1001 TO 1510

2001 MODE C FUNCTION ADDRESS 2001 TO 2510

## 1- DMX mode or Master-slave

**Master-Slave:** The LED items with master slave function can work synchronously with- out controller used when you connect them with DMX cables and put them in :1-"

## CLEANING AND MAINTENANCE

### DANGER TO LIFE!

Disconnect from mains before starting maintenance operation!

We recommend a frequent cleaning of the device. Please use soft lint-free moistened cloth.

Never use alcohol or solvent!

There are no serviceable parts inside the device. Maintenance and service operation are only to be carried out by authorized dealer

Should you need any spare parts, please use genuine parts.

Should you have further question, please contact your dealer

## TECHNICAL SPECIFICATIONS

Power supply:	90-240V, 50 /60Hz
Power consumption	12W
Dimension (L x W x H)	138 x118 x 192 mm
Weight	1.13kgs
Maximum ambient temperature	40°C
Maximum housing temperature	60°C
Minimum distance	0.10 m

Please Note : Every information is subject to change without prior notice.