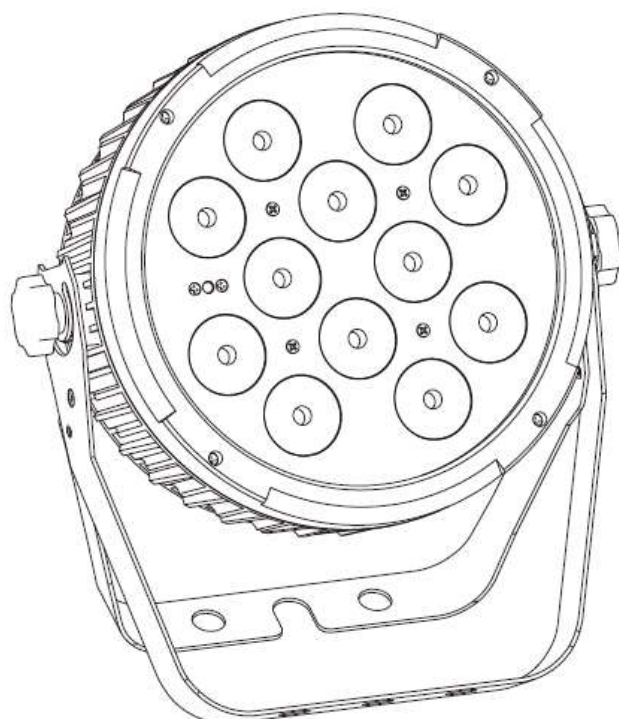


## **BT300 LED Flat PAR 12x12W 6-1 DMX IR**

Ref. nr.: 151.310



**INSTRUCTION MANUAL**  
**GEBRUIKSAANWIJZING**  
**GEBRAUCHSANLEITUNG**  
**MANUAL DE INSTRUCCIONES**  
**MANUEL D'INSTRUCTIONS**

## ENGLISH

Congratulations to the purchase of this Beamz fixture. Please read this manual thoroughly prior to using the unit in order to benefit fully from all features.

Read the manual prior to using the unit. Follow the instructions in order not to invalidate the warranty. Take all precautions to avoid fire and/or electrical shock. Repairs must only be carried out by a qualified technician in order to avoid electrical shock. Keep the manual for future reference.

- Prior to using the unit, please ask advice from a specialist. When the unit is switched on for the first time, some smell may occur. This is normal and will disappear after a while.
- The unit contains voltage carrying parts. Therefore do NOT open the housing.
- Do not place metal objects or pour liquids into the unit. This may cause electrical shock and malfunction.
- Do not place the unit near heat sources such as radiators, etc. Do not place the unit on a vibrating surface. Do not cover the ventilation holes.
- The unit is not suitable for continuous use.
- Be careful with the mains lead and do not damage it. A faulty or damaged mains lead can cause electrical shock and malfunction.
- When unplugging the unit from a mains outlet, always pull the plug, never the lead.
- Do not plug or unplug the unit with wet hands.
- If the plug and/or the mains lead are damaged, they need to be replaced by a qualified technician.
- If the unit is damaged to such an extent that internal parts are visible, do NOT plug the unit into a mains outlet and DO NOT switch the unit on. Contact your dealer. Do NOT connect the unit to a rheostat or dimmer.
- To avoid fire and shock hazard, do not expose the unit to rain and moisture.
- All repairs should be carried out by a qualified technician only.
- Connect the unit to an earthed mains outlet (220-240Vac/50Hz) protected by a 10-16A fuse.
- During a thunderstorm or if the unit will not be used for a longer period of time, unplug it from the mains. The rule is: Unplug it from the mains when not in use.
- If the unit has not been used for a longer period of time, condensation may occur. Let the unit reach room temperature before you switch it on. Never use the unit in humid rooms or outdoors.
- During operation, the housing becomes very hot. Do not touch it during operation and immediately after.
- To prevent accidents in companies, you must follow the applicable guide lines and follow the instructions.
- Secure the unit with an extra safety chain if the unit is ceiling mount. Use a truss system with clamps. Make sure nobody stands in the mounting area. Mount the effect at least 50cm away from inflammable material and leave at least 1 meter space on every side to ensure sufficient cooling.
- This unit contains high intensity LEDs. Do not look into the LED light to prevent damage to your eyes.
- Do not repeatedly switch the fixture on and off. This shortens the life time.
- Keep the unit out of the reach of children. Do not leave the unit unattended.
- Do not use cleaning sprays to clean switches. The residues of these sprays cause deposits of dust and grease. In case of malfunction, always seek advice from a specialist.
- Only operate the unit with clean hands.
- Do not force the controls.
- If the unit has fallen, always have it checked by a qualified technician before you switch the unit on again.
- Do not use chemicals to clean the unit. They damage the varnish. Only clean the unit with a dry cloth.
- Keep away from electronic equipment that may cause interference.
- Only use original spares for repairs, otherwise serious damage and/or dangerous radiation may occur.
- Switch the unit off prior to unplugging it from the mains and/or other equipment. Unplug all leads and cables prior to moving the unit.
- Make sure that the mains lead cannot be damaged when people walk on it. Check the mains lead before every use for damages and faults!
- The mains voltage is 220-240Vac/50Hz. Check if power outlet match. If you travel, make sure that the mains voltage of the country is suitable for this unit.
- Keep the original packing material so that you can transport the unit in safe conditions



This mark attracts the attention of the user to high voltages that are present inside the housing and that are of sufficient magnitude to cause a shock hazard.



This mark attracts the attention of the user to important instructions that are contained in the manual and that he should read and adhere to.



**DO NOT LOOK DIRECTLY INTO THE LENS.** This can damage your eyes. Persons who are subject to epileptic attacks should be aware of the effects that this light effect may have on them.

The unit has been certified CE. It is prohibited to make any changes to the unit. They would invalidate the CE certificate and their guarantee!

**NOTE:** To make sure that the unit will function normally, it must be used in rooms with a temperature between 5°C/41°F and 35°C/95°F.



Electric products must not be put into household waste. Please bring them to a recycling centre. Ask your local authorities or your dealer about the way to proceed. The specifications are typical. The actual values can slightly change from one unit to the other. Specifications can be changed without prior notice.

## UNPACKING INSTRUCTION

**CAUTION!** Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the package itself shows signs of mishandling. Save the package and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

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 switched off until it has reached room temperature.

## POWERSUPPLY

On the label on the backside of the fixture is indicated on this type of power supply must be connected. Check that the mains voltage corresponds to this, all other voltages than specified, the light effect can be irreparably damaged. The fixture must also be directly connected to the mains and may be used. No dimmer or adjustable power supply.



Always connect the fixture to a protected circuit (circuit breaker or fuse). Make sure the fixture has an appropriate electrical ground to avoid the risk of electrocution or fire.

## INSTALLATION



**CAUTION:** Please consider the respective national norms during the installation! The installation must only be carried out by an authorized employee or dealers!

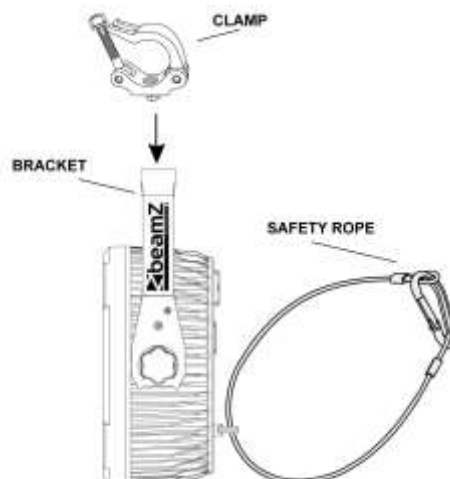


### Attention:

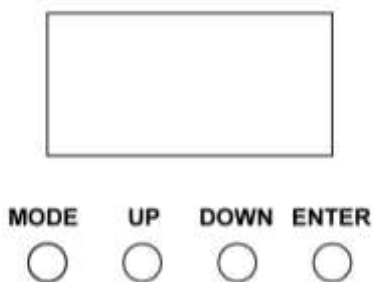
- The installation of the fixture has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- The operator has to make sure that safety-relating and machine-technical installations are approved 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 installations are approved by a skilled person once a year.
- The fixture should be installed in the position where persons cannot reach and where persons may walk by or be seated.



**CAUTION:** When installing the fixture, make sure there is no highly inflammable material (decoration articles, etc.) in between a distance of min 0.5 meter.



## DISPLAY



The control board offer several features: you can simple set the starting address, run the pre-programmed program or make a reset. The main menu is accessed by pressing the **Mode**-button, browse through the submenu by pressing **Up** or **Down**.

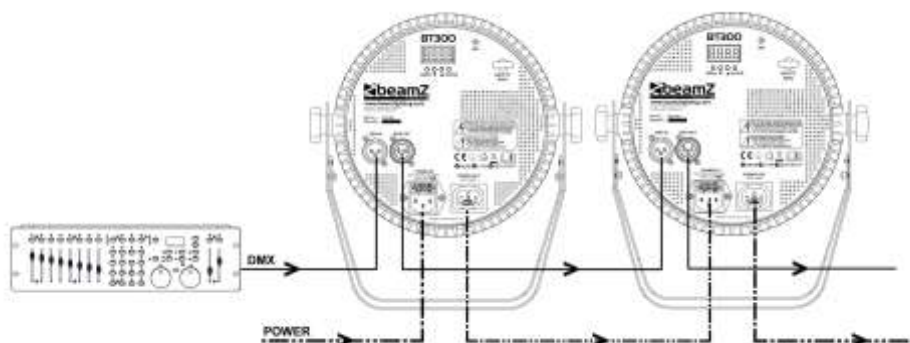
Press the **Enter**-button in order to select the desired menu.

You can change the selection by pressing **Up** or **Down**. Confirm every selection by pressing the **Enter**-button.

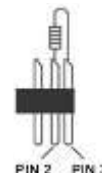
You can leave every mode by pressing the **Mode**-button. The functions provided are described later in this manual.

## DMX-512 CONNECTION

If you are using a standard DMX controller, you can connect the DMX-output of the controller directly to the DMX-input of the first unit in a DMX-chain. Always connect the output of one unit with the input of the next unit until all units are connected. If you use a controller with 5 pin DMX connection you will need to use a 5-pin to 3-pin adapter.



At the last fixture, the DMX cable has to be terminated. Solder a 120 Ohm resistor between signal (-) and signal (+) into a 3-pin XLR connector and plug this into the DMX output of the last fixture in the chain.



## REMOTE CONTROLLER

### BLACK OUT Mode

Press **<BLACK OUT>** off existing modes. Press **<BLACK OUT>** return the last modes.

### AUTO Mode

Automatic mode will enable you to run the automatic programs on the product.

To turn on Automatic mode:

1. Press **<AUTO>** on the remote controller.
2. Press **<+>** or **<->** to choose between the different auto programs.

### SOUND Mode

Sound-Active mode will enable the product to respond to the music.

To turn on Sound-Active mode:

1. Press **<SOUND>** on the remote controller.
2. Press **<+>** or **<->** to choose between the different sound programs.

### STROBE Mode

To adjust the strobe speed of the automatic program and the sound active program.

1. Press **<STROBE>** on the remote controller.
2. Press **<+>** or **<->** to either increase or decrease the speed of the program.
3. Press **<STROBE>** again to turn off the strobe.

### SPEED Mode

To adjust the speed of the automatic program and the sound active program.

1. Press **<SPEED>** on the remote controller.
2. Press **<+>** or **<->** to either increase or decrease the speed of the program.

### SENSITIVITY Mode

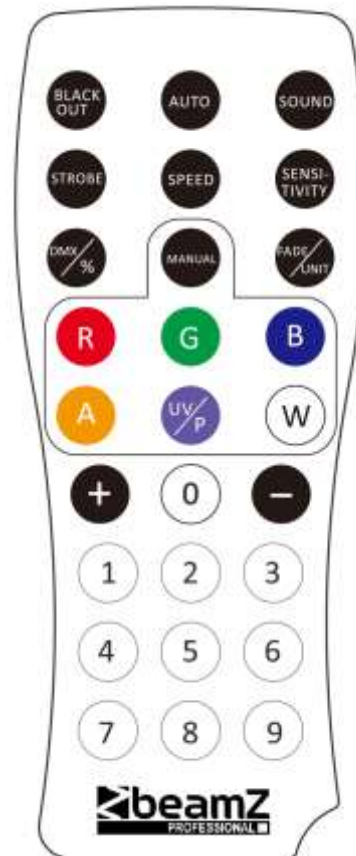
To adjust sound sensitivity for in Sound-Active mode

1. Press **<SENSITIVITY>** on the remote controller.
2. Press **<+>** or **<->** to either increase or decrease sound sensitivity.

### DMX / % Mode

To enable DMX or disallow DMX on the product.

Press **<DMX>** on the remote controller, the product work on the DMX controlling modes.



### MANUAL Mode

1. Press <MANUAL> on the remote controller.
2. Press <R>, <G>, <B>, <W>,<A> or <UV> (red, green, blue, white, amber, UV) to choose your colour.
3. Press again <R>, <G>, <B>, <W>,<A> or <UV> (red, green, blue, white, amber, UV) to close your colour.
4. Press <+> or <-> to either increase or decrease the percentage of each colour.

### FADE/UNIT Mode

To adjust the FADE speed of the automatic program, the sound active program and the manual mode.

1. Press <FADE> on the remote controller.
2. Press <FADE> again to turn off the Fade mode.

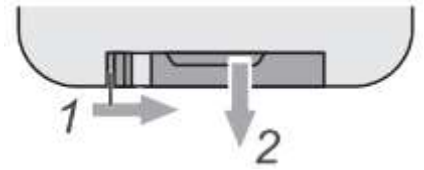
### NUMBER 1~9

To adjust the brightness value of the automatic program, the Sound active program and Manual Mode. Press digit <1> to <9> to change different brightness on the device.



The remote control is supplied with a battery inserted. An insulating foil between the battery and the battery contacts prevents the battery from being discharged during storage. Prior to the first operation remove the foil from the battery support on the rear side of the remote control. Otherwise operation of the remote control is not possible.

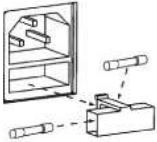
If the range of the remote control decreases, replace the battery. For this purpose, on the rear side of the remote control press the small bar with the groove to the right (1) and at the same time remove the battery support (2). For operation, one 3 V button cell type CR 2025 is required. When inserting, pay attention that the positive pole of the button cell shows upwards in the support.



## REPLACING THE FUSE

If the fuse is defective, replace the fuse with a fuse of the same type and value. Before replacing the fuse, unplug mains lead.

Procedure:



- Step 1: Open the fuse holder on the rear panel with a fitting screwdriver.
- Step 2: Remove the old fuse from the fuse holder.
- Step 3: Install the new fuse in the fuse holder.
- Step 4: Replace the fuse holder in the housing.

## FIXTURE CLEANING

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- Make sure the area below the installation place is free from unwanted persons during servicing
- Housings, fixations and installations spots( ceiling, truss, suspensions) should be totally free from any deformation
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected
- In order to protect the fixture from overheat the cooling fans (if any) and ventilation openings should be cleaned monthly.
- The interior of the fixture should be cleaned annually using a vacuum cleaner or air-jet.
- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every month. Clean the internal optics at least every 30/60 days.

**ATTENTION:** We strongly recommend internal cleaning to be carried out by qualified worker!

**DMX CHANNELS / DMX KANALEN / DMX-KANÄLE / CANALES DMX / CANAUX DMX****4 Channels**

Channel	Function	Value	Description
1	Colour	000-009	No function
		010-019	Red
		020-029	Green
		030-039	Blue
		040-049	White
		050-059	Amber
		060-069	UV
		070-079	Red +Green
		080-089	Red + Blue
		090-099	Red + White
		100-109	Red + Amber
		110-119	Red + UV
		120-129	Green +Blue
		130-139	Green + White
		140-149	Green +Amber
		150-159	Green +UV
		160-169	Blue + White
		170-179	Blue +Amber
		180-189	Blue +UV
		190-199	White +Amber
		200-209	White +UV
		210-219	Amber +UV
		220-229	Red +Green +Blue
		230-239	Red + Blue + Amber
		240-259	Green + White +UV
250-255	Red +Green +Blue + White +Amber +UV		
2	Strobe	000-009	No function
		010-255	Strobe, From slow to fast
3	Mode	000-009	No function
		010-199	Auto
		200-255	Sound
4	Speed	000-255	Auto / Sound Speed, From slow to fast

**10 Channels**

Channel	Function	Value	Description
1	Colour	000-255	Red
2		000-255	Green
3		000-255	Blue
4		000-255	White
5		000-255	Amber
6		000-255	UV
7	Dimming	000-255	Dimming 0-100%
8	Strobe	000-009	No function
		010-255	Strobe, From slow to fast
9	Mode	000-009	No function
		010-199	Auto
		200-255	Sound
10	Speed	000-255	Auto / Sound Speed, From slow to fast

## MENU / MENÜ / MENÚ

Mode	Program	Description
Auto	Au-1	Auto program 1
	Au-2	Auto program 2
	Au-3	Auto program 3
Sound	So-1	Sound program 1
	So-2	Sound program 2
	So-3	Sound program 3
Speed	SP 1—SP9	Speed value for program adjustable
Sensitivity	Se 1—Se9	MIC value adjustable
Silent scene	OFF	The fixture is open light on music by Sound program
	ON	The fixture is closed light on music by Sound program
InFr	ON	Enable IR remote signal receiving.
	OFF	Disenable IR remote signal receiving.
Addr	4CH	4 channels DMX mode
	10CH	10 channels DMX mode
Slave	Slav	Slave
RGB	Red	Change color intensity between 0-255 (0-100%)
	Green	Change color intensity between 0-255 (0-100%)
	Blue	Change color intensity between 0-255 (0-100%)
	White	Change color intensity between 0-255 (0-100%)
	Amber	Change color intensity between 0-255 (0-100%)
	UV	Change color intensity between 0-255 (0-100%)
Colour	C1	Red
	C2	Green
	C3	Blue
	C4	White
	C5	Amber
	C6	UV
	C7	Red + Green
	C8	Green + Blue
	C9	Blue + White
	C10	White + Amber
	C11	Amber + UV
	C12	Red + Blue + UV
	C13	Green + Amber
	C14	Red + Green + Blue
	C15	Red + Green + Blue + White
Dimming	dim 1—dim9	Dimming value for program adjustable

## TECHNICAL SPECIFICATION / TECHNISCHE SPECIFICATIE / TECHNISCHE DATEN / ESPECIFICACIONES TÉCNICAS / SPÉCIFICATIONS TECHNIQUES

Rated voltage	: AC100~240V 50/60Hz
Rated power	: 72W
LED	: 12x 12W 6-in-1 RGBWAUV
Fuse	: 3A
DMX Channels	: 4 / 10 Channels
Function	: DMX, Auto, Sound active and Master-Slave.
Dimensions per unit	: 215 x 275 x 100mm
Weight (per unit)	: 2 kg

The specifications are typical. The actual values can slightly change from one unit to the other. Specifications can be changed without prior notice.

Specifications and design are subject to change without prior notice..

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