

ENGLISH

Banana Wing

V1

Ordercode: 55020

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Warning



**For your own safety, please read this user manual carefully
before your initial start-up!**

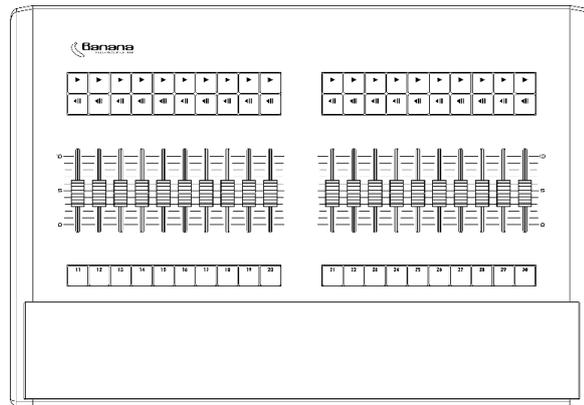


Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton 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.

Your shipment includes:

- Infinity Banana Wing
- IEC power cable (1,5 m)
- User manual



The USB A>B cable is not included. It needs to be purchased separately.



Safety Instructions



CAUTION!

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



Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



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



Before your initial 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.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this would reduce the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device. Never use the device during thunderstorms, unplug the device immediately.
- Only use device indoors, avoid contact with water or other liquids.
- Do not touch the device's housing bare-handed during its operation (housing becomes hot).
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- 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.
- If your Infinity device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Infinity dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the Banana Wing. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The maximum ambient temperature $t_a = 40^{\circ}\text{C}$ must never be exceeded.
- To eliminate wear and improve lifespan, during periods of non-use, completely disconnect from power via breaker or by unplugging.
- The relative humidity must not exceed 50 % with an ambient temperature of 40°C .
- If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property!

Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always connected properly to the earth!

Improper installation can cause serious damage to people and property!



Return Procedure



Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

The Infinity Banana Wing is an ideal tool for extending the possibilities and the flexibility of the Infinity Chimp consoles. The Banana Wing offers a total of 20 extra playback faders and will activate 2 extra universes plus 100 additional fixtures. Upon connection, the Chimp console will recognize the Banana Wing and will reconfigure the second external monitor, so that the stored playbacks can be visible to the operator.

- Input voltage: 100-240V AC, 50/60Hz
- Power consumption: 25W
- Control protocol: RDM, DMX-512
- Connections: 2 x DMX 5-pin opto-isolated OUT (RDM support); 1 x USB-B connector IN; 1 x USB-A connector OUT; IEC power connector IN
- Housing: Metal & flame retardant plastic
- IP rating: IP20
- Dimensions: 487 x 400 x 115 mm (LxWxH)
- Weight: 7,5 kg

Optional accessories

[55021](#) – Dustcover for Infinity Banana Wing

[FC02150](#) – FC02 USB-A>USB-B cable (1,5 m)

[FC023](#) – FC02 USB-A>USB-B cable (3 m)

 **Use the Infinity Banana Wing in combination with the Infinity Chimp consoles (55000/55003/55010/55013).** 

 **The USB A>B cable is not included. It needs to be purchased separately.** 

Overview

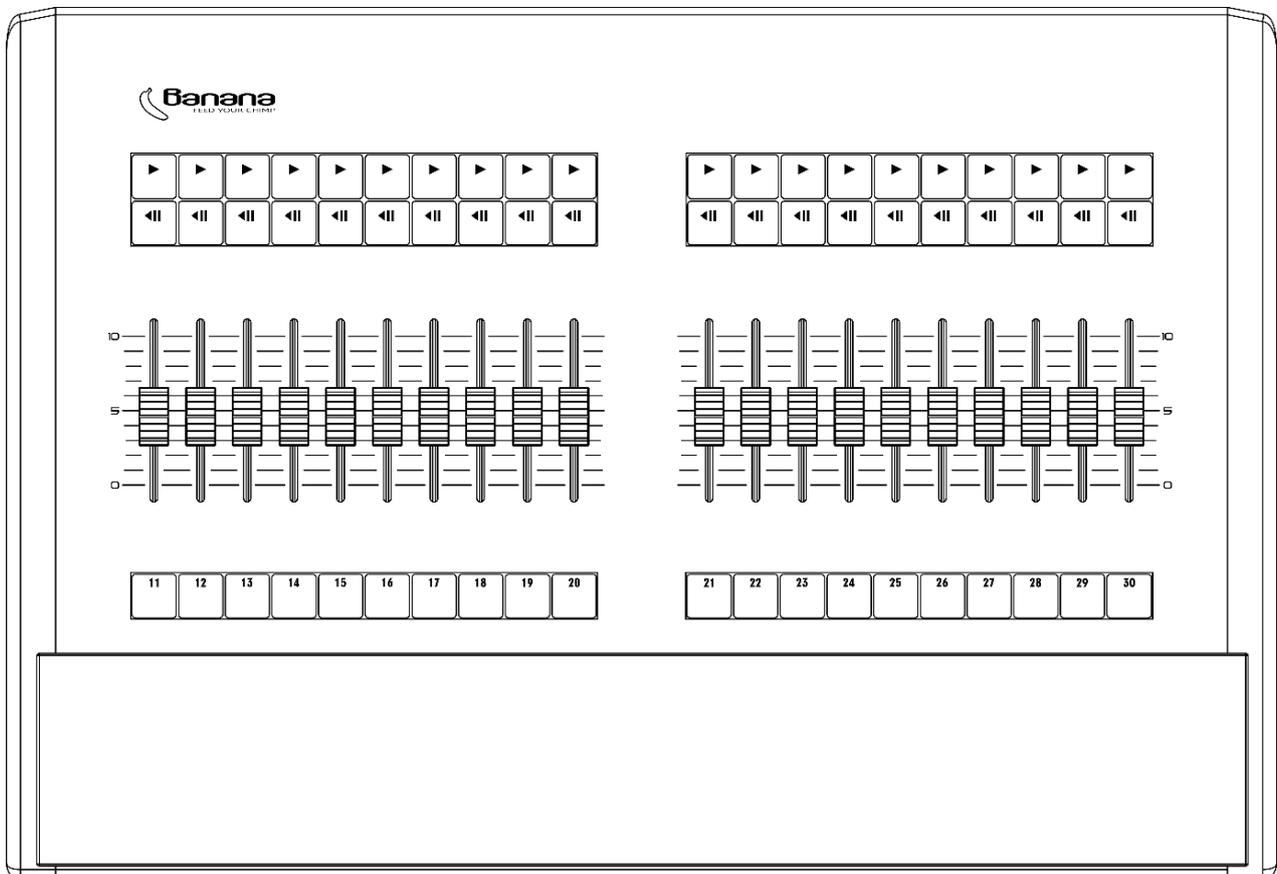


Fig. 01

Frontside

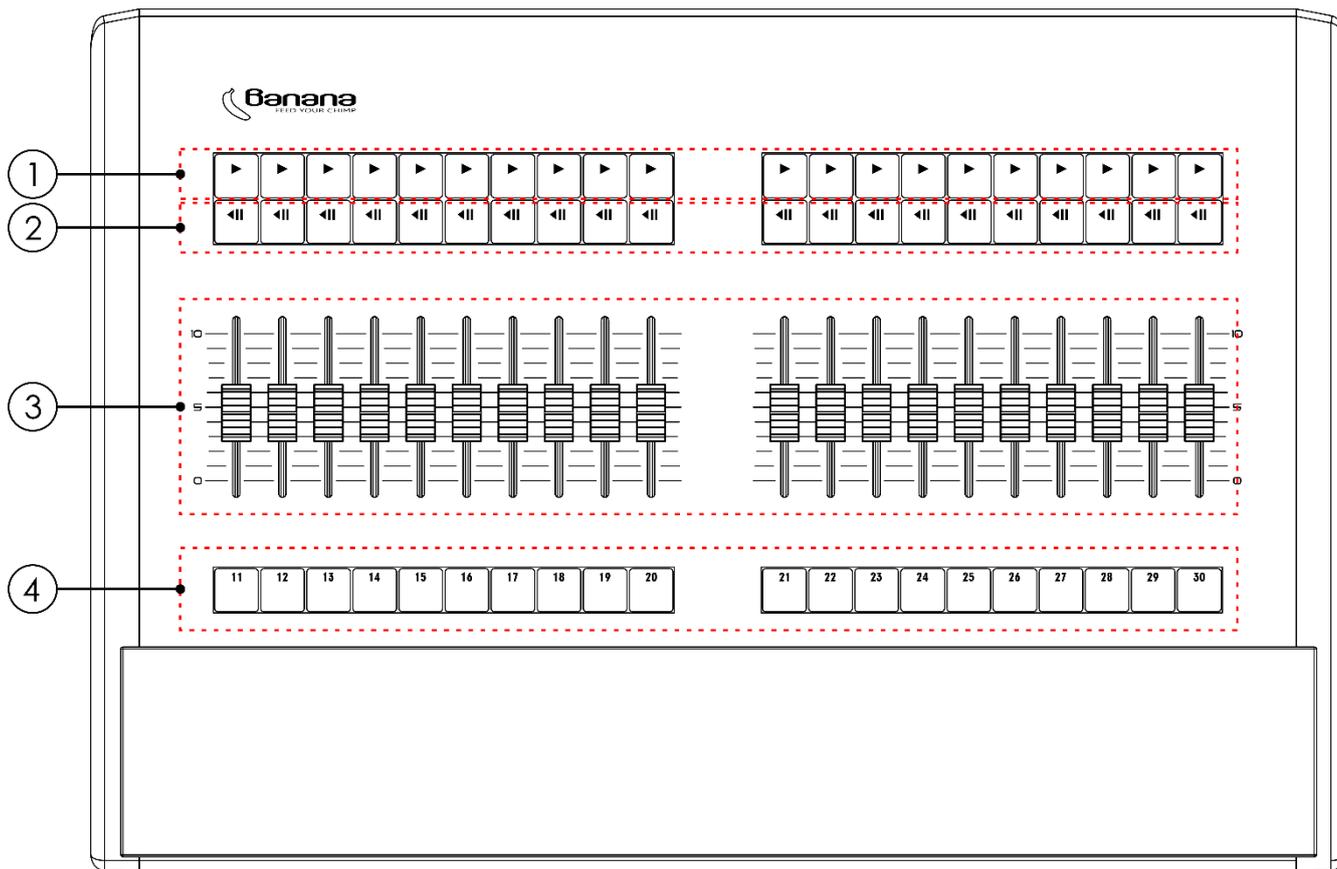


Fig. 02

01) Go buttons (11-30)

Press the button to start a cuelist/toggle through separate cues of a given cuelist.

02) Pause/Back buttons (11-30)

Press the button once to pause the current cuelist. Press the button again to advance through the cuelist in reverse.

03) Playback faders (11-30)

Move the faders to set the desired level.

04) Flash buttons (11-30)

Press the buttons to flash the corresponding master fader to 100%.

For more detailed information on the functions of the buttons and faders, please read your Chimp console's user manual.

Backside

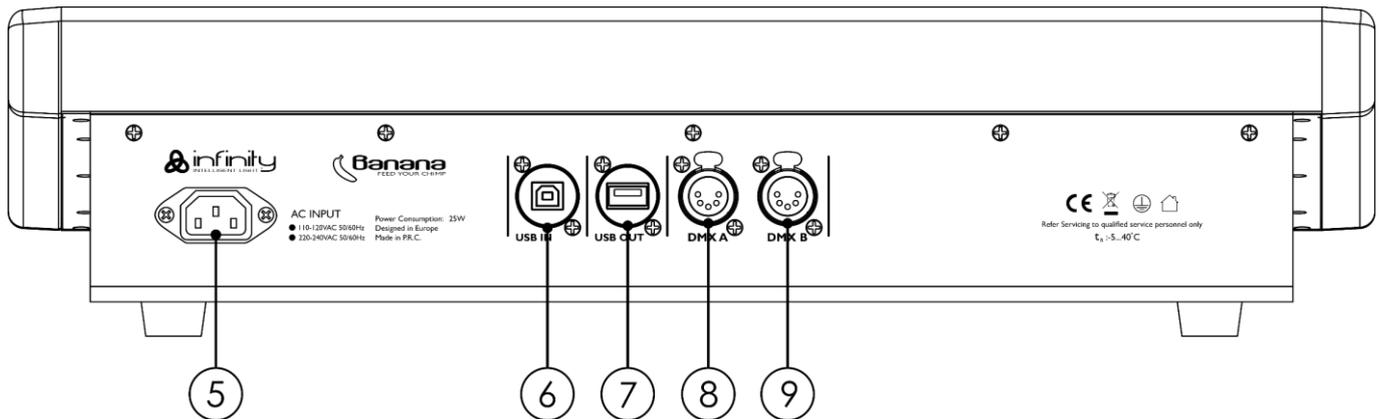


Fig. 03

05) 100-240V IEC power connector IN

06) USB-B connector IN

Use this connector to connect your Chimp console to the Banana Wing.

07) USB-A connector OUT

Use this connector to connect the Banana Wing to a touch screen.

08) 5-pin DMX signal connector OUT (A)

An additional DMX universe (an extension of the Chimp universes).

09) 5-pin DMX signal connector OUT (B)

An additional DMX universe (an extension of the Chimp universes).

Installation

Remove all packing materials from the Banana Wing. Check if all foam and plastic padding is removed. Connect all cables.

Do not supply power before the whole system is set up and connected properly.

Always disconnect from electric mains power supply before cleaning or servicing.

Damages caused by non-observance are not subject to warranty.

Set Up and Operation

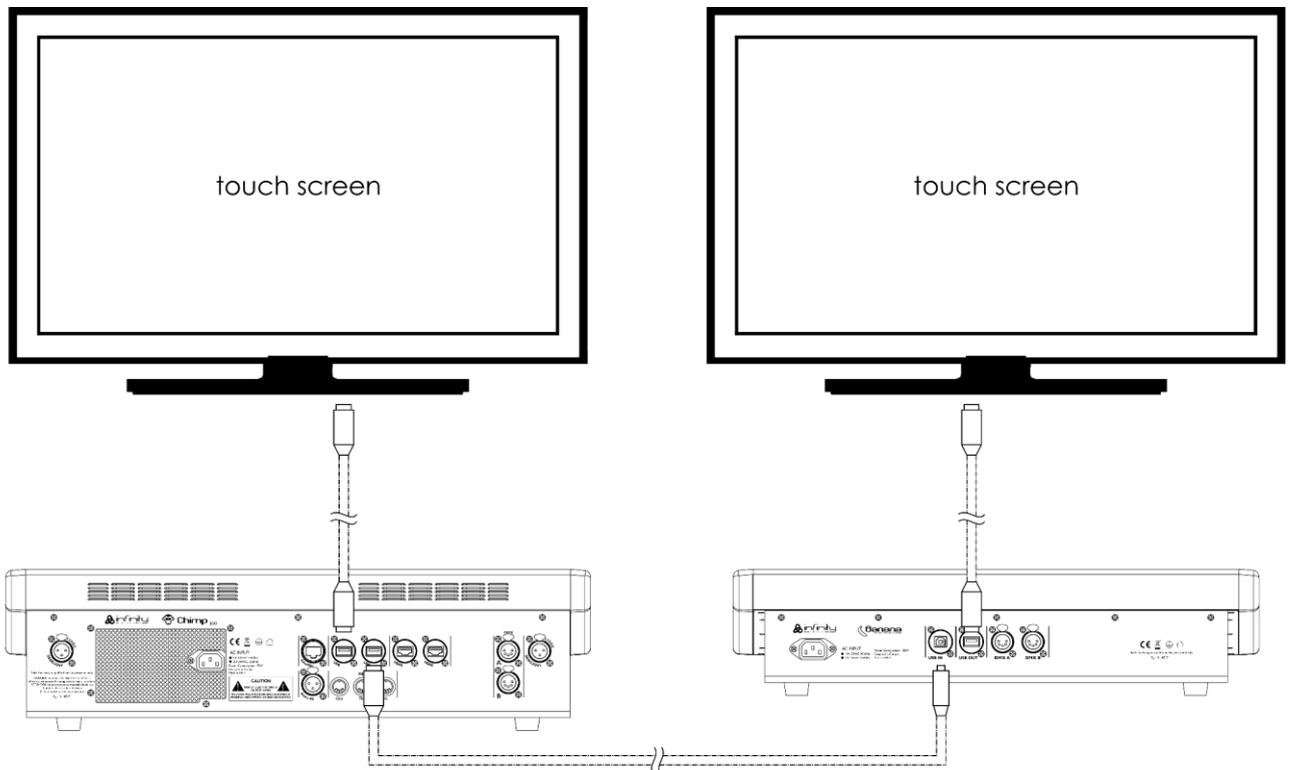
Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Connect the device to the main power supply.

Chimp 100 / Chimp 100 W-DMX

Connect your Chimp 100 and the Banana Wing in the way shown below.



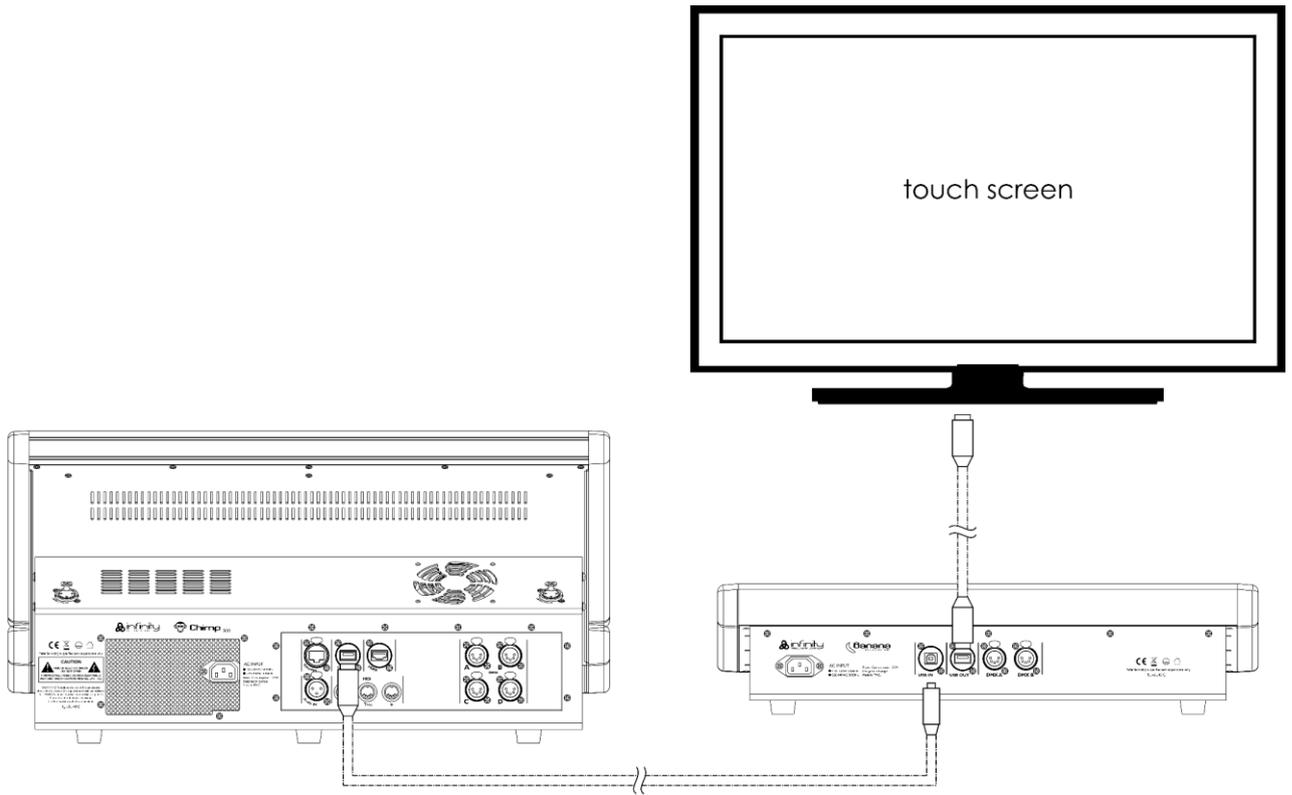
Infinity Chimp 100 (55000) / Infinity Chimp 100 W-DMX (55003)

Infinity Banana Wing (55020)

Fig. 04

Chimp 300 / Chimp 300 W-DMX

Connect your Chimp 300 and the Banana Wing in the way shown below.



Infinity Chimp 300 (55010) / Infinity Chimp 300 W-DMX (55013)

Infinity Banana Wing (55020)

Fig. 05

Maintenance

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.

The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- 01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
- 02) There may not be any deformations on housings, fixations and installation spots.
- 03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
- 04) The electric power supply cables must not show any damages or material fatigue.

The Banana Wing requires almost no maintenance. However, you should keep the unit clean.

Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

No Light

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the Banana Wing does not operate properly, refer servicing to a technician.

Suspect two potential problem areas: the power supply, the fixtures.

- 01) Power supply. Check if the unit is plugged into an appropriate power supply.
- 02) A fixture does not respond to the Banana Wing: Check the DMX address of the fixture and the controller. Make sure that they match. Make sure the connections are correct. Check if blackout is off.
- 03) If all of the above appears to be O.K., plug the unit in again.
- 04) If nothing happens after 30 seconds, unplug the device.
- 05) If you are unable to determine the cause of the problem, do not open the Banana Wing, as this may damage the unit and the warranty will become void.
- 06) Return the device to your Infinity dealer.

No Response to DMX

Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

- 01) Check the DMX setting. Make sure that DMX addresses are correct.
- 02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
- 03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Product Specifications

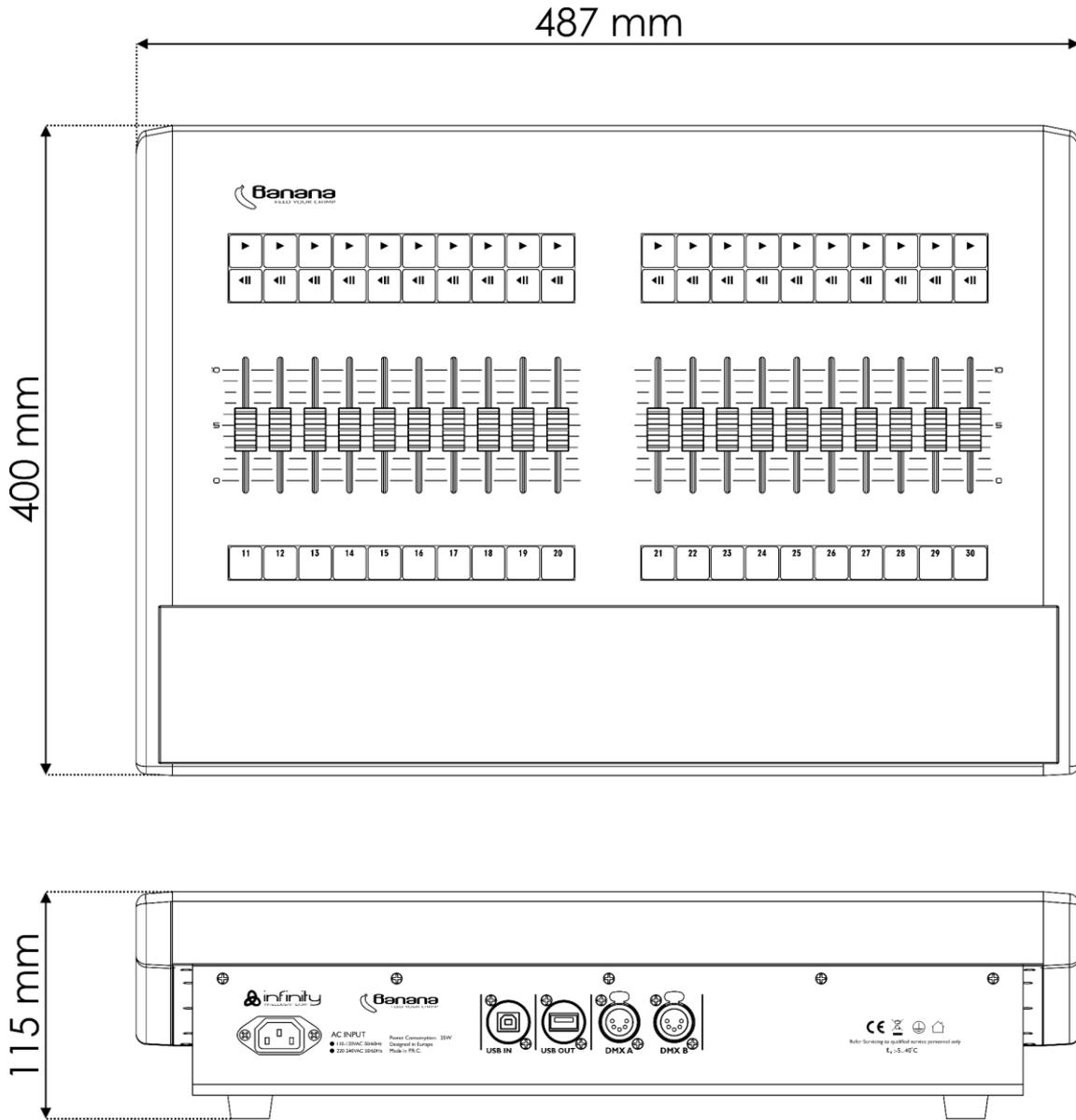
Model:	Infinity Banana Wing	
Input voltage:	100-240V AC, 50/60Hz	
Power consumption:	25W	
Dimensions:	487 x 400 x 115 mm (LxWxH)	
Weight:	7,5 kg	
Operating and Programming:		
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)	
Signal input:	USB-B IN	
Signal output:	5-pin XLR OUT, USB-A OUT	
Electro-mechanical effects:		
Housing:	Metal & flame retardant plastic	
DMX control:	via standard DMX-controller	
Control protocol:	RDM, DMX-512	
Connections:	2 x DMX 5-pin opto-isolated OUT (RDM support) 1 x USB-B connector IN 1 x USB-A connector OUT IEC power connector IN	
IP rating:	IP20	
Max. ambient temperature t_a :	40°C	
Max. housing temperature t_B :	80°C	
Minimum distance:		
Minimum distance from flammable surfaces:	0,5 m	

Design and product specifications are subject to change without prior notice.



Website: www.highlite.com
Email: service@highlite.com

Dimensions





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