





Congratulations!

You have just acquired an innovative, high quality product. We have put our highest effort into each development stage. We are sure that you will find this equipment most reliable and accurate - exceeding your expectations.

Before using this device, we strongly recommend that you carefully read the user manual. There you will find all related information for correct handling and usage of this product.

We hope that you enjoy using this equipment as much as we did creating it.

)e la Rosa Research Team.





g.

Details

Pag

Specification

Pag.

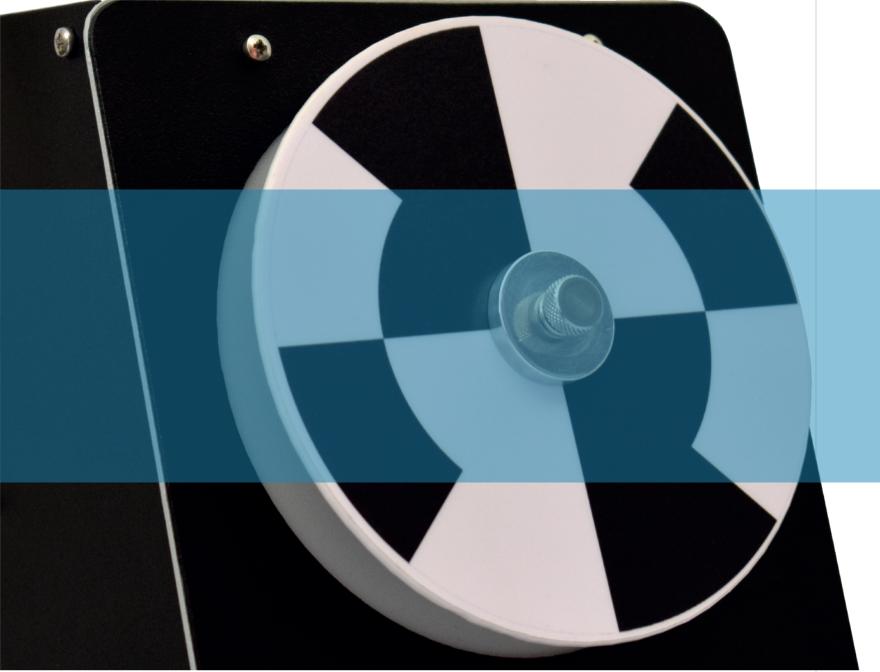
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DETAILS

illusions. A very unusual assortment of visual illusion cards is included as part of the Illusionator Set. This optical illusion set allows for the demonstration of illusions of apparent color, apparent movement, tridimensional illusion and other classical illusions. The main unit contains a low speed motor (0-8.5 RPM) for the trapezoid rotation illusion, and a high speed motor (0-2350 RPM) for the visual effects disks to create illusions of color from black and white patterns, after-images, rotating spiral, zig-zag, and others. The use of the Illusionator Set is excellent for any student demonstration or student's labs.





SPECIFICATIONS



Line Voltage: 110/220 V AC - 50/60 Hz.



Number of Motors: Two (2).

Notor 1 Speed (Frontal Motor): Maximum 2000 RPM

Motor 2 Speed (Upper Motor): 1.5 - 7 RPM

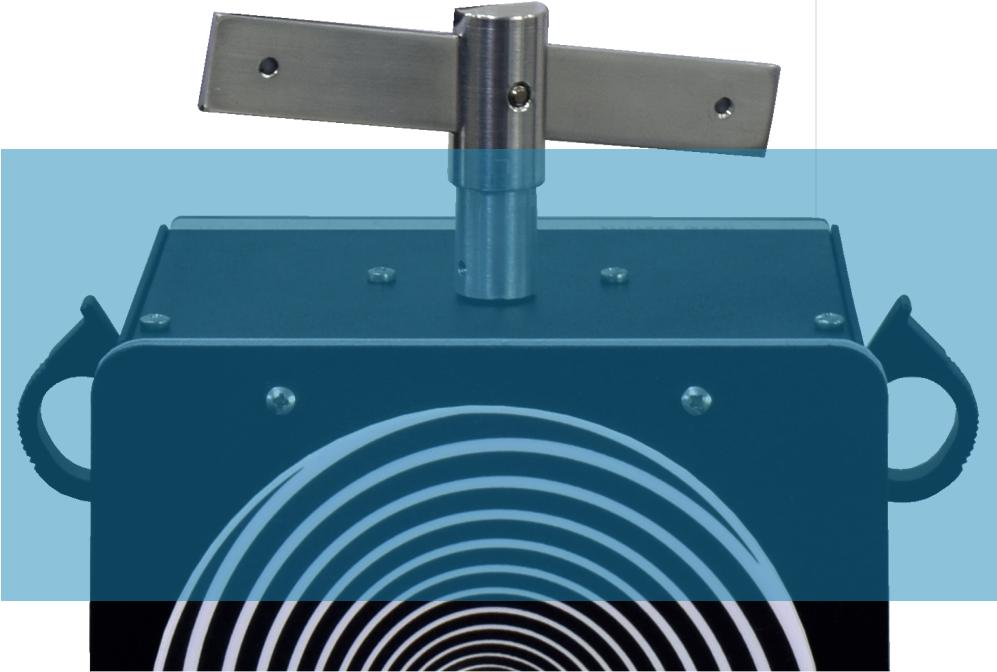


Supplied with User Guide.



Includes 12 squares in package, 7 disks and 1 window.

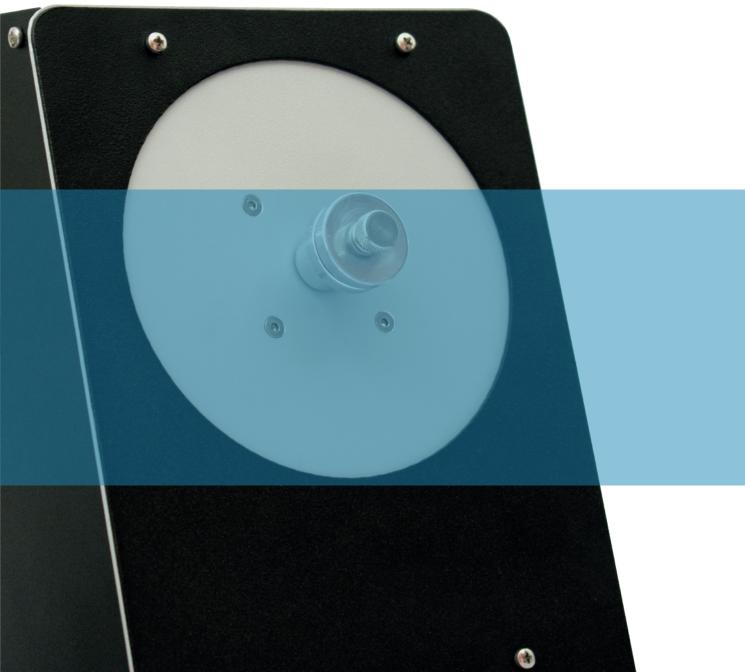




APPLICATIONS

the scope of many renowned psychologists, forefathers of





FEATURES





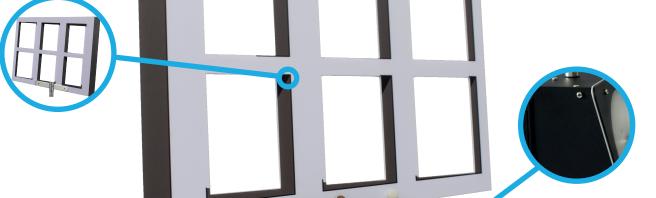
FEATURES

ACCESSORIES

Easy to clean acrylic accessories. High resistant, and carefully finished to avoid injury.

> If you need accessories or replacement parts, these are the reference numbers:

Trapezoid Window Model: AA86829-1 Seven Illusion Disks Model: AA86829-2 Thirteen Illusion Cards Model: AA86829-3



BODY

Built from high-quality components manufactured in USA, Japan, Germany, Italy, etc.

CONTROL

LCD and key pad control Easy to read LCD display Allows RPM and time measurements. 235 step motor control.



MOTOR 1 (Frontal motor)

Illusion Disks.

Motor Speed: 20 - 200 Revolutions per minute (RPM)





FEATURES

MATERIALS

Aluminum - stainless steel and acrylic body for sturdy usage. High resistance (and 100% recyclable) polymer base, easy to clean.







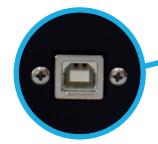
MOTOR 2 (Upper motor)

Window Illusion.

Motor Speed: 1.5 - 7 Revolutions per minute (RPM).



USB port for serial communication (the software will be available and supplied at no charge).





POWER SOURCE

Medical grade power source (short circuit protected through reprogrammable fuse).





XK

PROCEDURE



General recommendations



Initial setting



Operating



PROCEDURE



// GENERAL RECOMMENDATIONS





Avoid using sharp objects with the product.



Always ensure the proper power input.



Do not try to fix or disassemble this product by yourself.

this equipment, all the cables, controls, disk or window should be properly attached and carefully fixed to the equipment with the provided thumb screws. Failure to do so may cause inadequate functioning or injury.

Before starting the operation of

When the product is on, it is prudent to leave at least three feet between the product and any

object or subject around it, in order to avoid any injury or damage.



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While all pieces have blunt edges, you should avoid touching them when they are spinning.

In case the product is not working properly, is damaged or needs maintenance, please contact us. We will gladly help you to solve any issue.

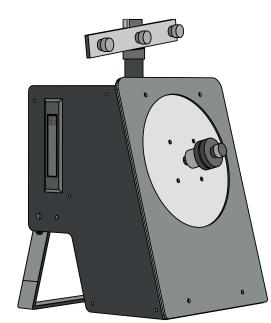




WHAT SHOULD BE INCLUDED IN THE PACKAGE?

a.

X1



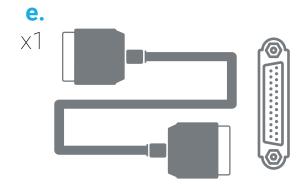
x1

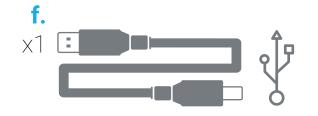


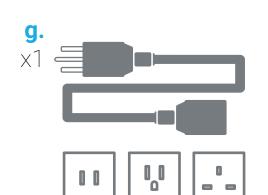
a. Illusionator body // b. Down Control x 1 // c. LCD control x 1 // d. DIN 5 cable x 1
 e. Serial cable DB25 x 1 // f. USB cable A-B x 1 // g. Power cable (AC cable) x 1.













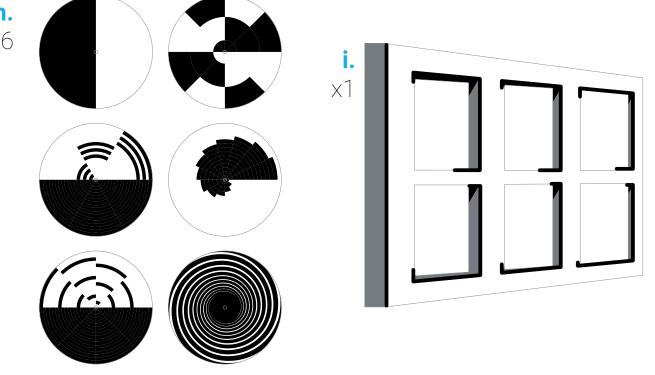


Depending on the geographical area, you will be given one of these AC cables (one per package).





" WHAT SHOULD BE INCLUIDED IN THE PACKAGE?



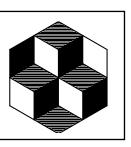
h. Illusionator disks x6 // i. Illusion window x1 // j. Illusion cards x 13

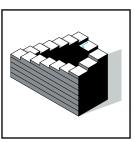


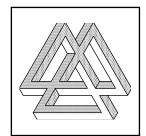


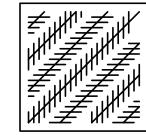


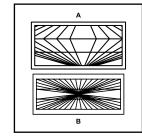


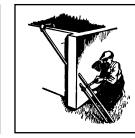


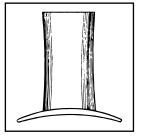


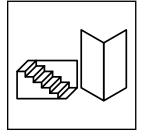


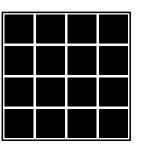


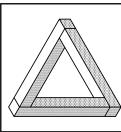


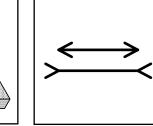
















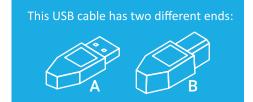


2" HOW TO ASSEMBLE IT?

USB CABLE

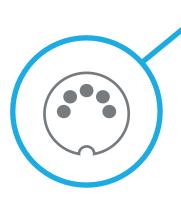
USE ONLY IF USING CONTROL SOFTWARE.

The smallest end B of the USB cable (f) should be connected to this port. The opposite end of cable A should be connected to a computer USB port.

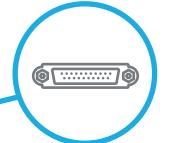


DIN 5 CABLE

Connect the male end of any DIN 5 cable (d) to the Left DIN 5 female left side connector. The opposite end of the cable should be connected to one knob control (b) *Knob controls works in any DIN 5 port of this device







SERIAL DB25 CABLE

25 cable (e) to this port. The female end of the cable should be connected to the LCD control (c)





A/C POWER CABLE.

Connect the A/C cable (g) to this port. The opposite end should be connected to







UPPER MOTOR

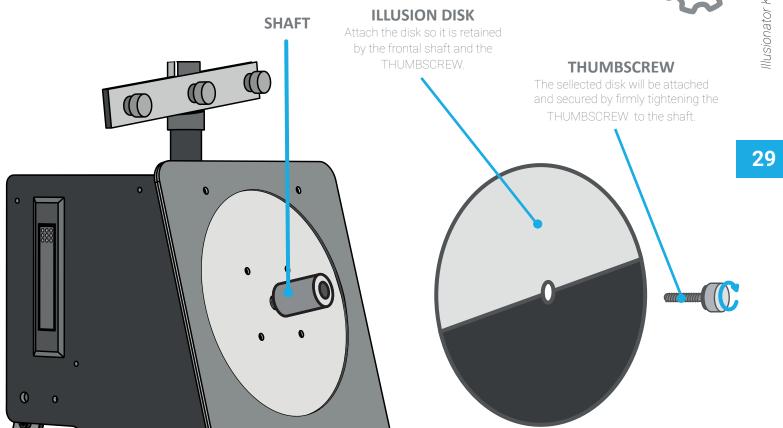
THUMBSCREW

This accessory is screwed when using the trapezoidal window. **AME'S WINDOW SUPPORT** This fixture should be used when you **SHAFT** 0









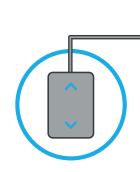


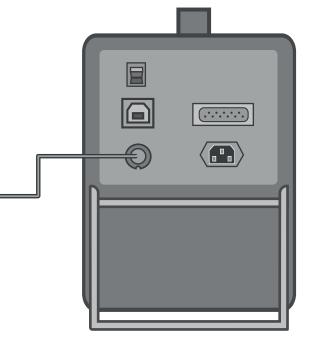


1" CABLE CONNECTION SET UP

HANDHELD UNIVERSAL CONTROL

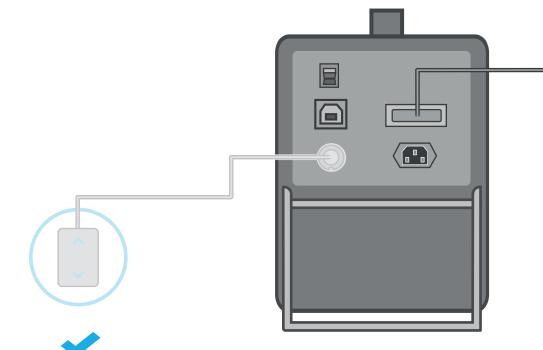
Connect the two handheld universal controls to the main unit using the corresponding (d) Din 5 to mini USB cable connectors.





MAIN LCD CONTROL

Connect the main LCD control to the main unit using the corresponding (e) DB25 to USB 3.0 cable connector.

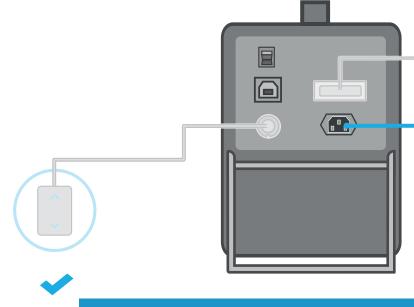






AC POWER CABLE

Connect the AC power cable (g)

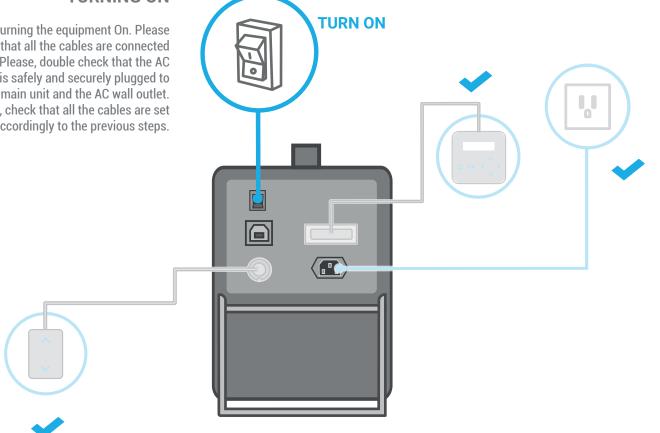


ATTENTION!

Please verify that the neither (f) USB B connector is connected to the equipment or the USB A connector is connected to the PC when you start the equipment.



Before turning the equipment On. Please verify that all the cables are connected correctly. Please, double check that the AC power cable is safely and securely plugged to both the main unit and the AC wall outlet. Also, check that all the cables are set accordingly to the previous steps.





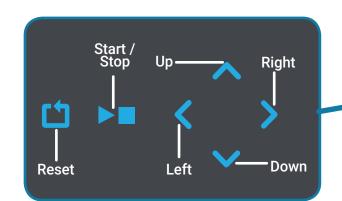
If you wish to use this equipment with the controlling software please follow the steps on page 41, else, please continue to follow the next steps, but without plugging the USB cable connector.







CCW: Counter Clock Wise **CW:** Clock Wise





this field you will see the actual frontal motor speed.

rotational speed. It can be adjusted from 0 to 235 steps. 235 is the maximum speed that the frontal motor can reach and it is equivalent to about +/- 2000 RPM.



S makes reference to the STATUS. In this field you will see the current test STATUS. STOP: Means that motor is turned off. START: Means that motor is turned on or in current motion.

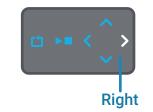




1" SELECT MOTOR'S ROTATIONAL DIRECTION.

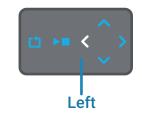
a.

Once the device has been plugged and turned ON, follow these steps.



Press the RIGHT button to choose CW direction.

b.



D:CCW

LEVEL:

Press the LEFT button to choose CCW direction.



Please note that if no direction is selected during the first step, the system will not start even if the START/STOP button has been pressed.



To choose movement direction, the first step should be accomplished and STATUS should be (S):STOP.

If STATUS (S) is START, and you want to change rotational direction, press START/STOP button until you see STATUS (S) changed to STOP.



2" SELECT ROTATIONAL SPEED.

Method 1: Fine Adjustment

a.



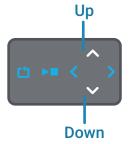
Press START/STOP until you see STATUS (S) changing to START.

S:START RPM:

START, both motors will start moving.

Immediately after STATUS changes to

b.



By pressing the UP button, the rota tional speed will increase. To decrease rotational speed, press the DOWN button.

LEVEL: 120 D:CW S:START RPM:1240

RPM will show the corresponding information for the selected LEVEL.

PROCEDURE // OPERATING





Asure that all accessories are properly and firmly attached before starting product operation. Failure to comply could cause injury, damage or bad functioning.



Each time that you press the UP or DOWN key to adjust rotational speed, the level will increase or decrease in one step; but if you desire to increase or reduce speed at a fast pace, press and hold the key until the desire level is reached.

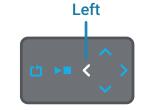




2" SELECT ROTATIONAL SPEED.

Method 1: Fast Adjustment

a.

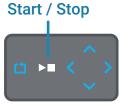


Press LEFT button several times until RPM: - - - .



Only when these four dashes appear, will the system be set to use the knob control rotation.

b.



If motion is or has been stopped, press START/STOP button to start operation.



if no direction is selected in the first step, the system will not start even if START/STOP button



Please note that has been pressed.

PROCEDURE // OPERATING

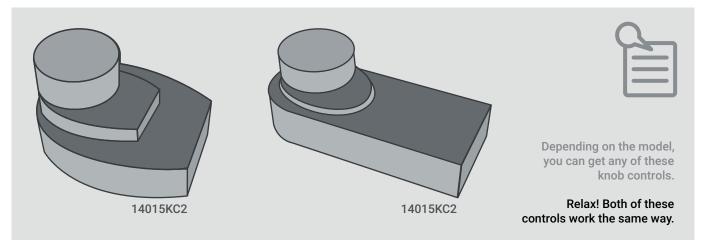


Once the motors begin to move, you will be able to use the knob control to adjust the rotational speed.



D:CW LEVEL: 120 RPM: 1420

Press any key (but the RESET button) to show actual RPM measure.







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3" CHANGE ROTATIONAL DIRECTION.

a.





D:CW LEVEL:0 S:STOP RPM:0

Press the START/STOP button if the equipment is currently rotating.
The motor's motion will stop.

b.

Select the new desired direction by following the procedure described in STEP 1 (Page. 32).

C



Press the START/STOP button again to start the system disk rotation in the desired direction or new direction.



Please note that this product has a volatile memory where the data and movement directionality will be stored. This memory will be erased by turning off or resetting the device.



Note

have been followed without the softwar

If you want to deploy the device with this, you ca

/ww.delarosaresearch.com/downloads.php?t=delaros

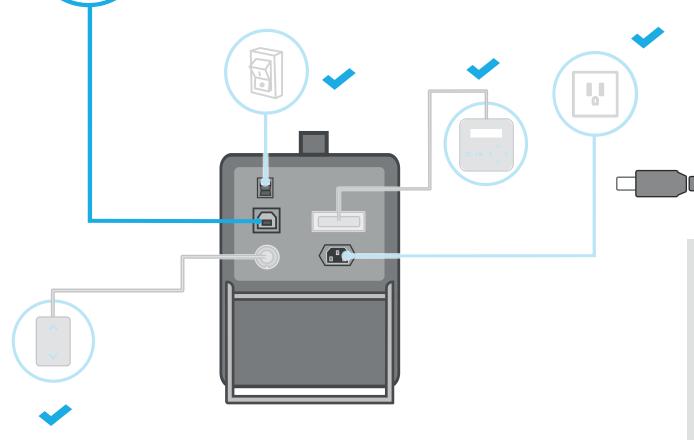
Then follow the steps below to connect your device to your computer.





USB Cable

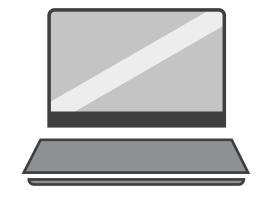
Connect the USB B connector of the provided USB Cable to the main unit, then connect the USB A connector to a computer's USB port.



Running the Controlling Software

While the computer is on and OS is running, execute the Controlling software by double-clicking on its icon. Follow up the instructions presented therein.

TURN ON





Please keep in mind that the equipment will start the communication protocol once the USB is plugged into the computer. The main unit will re-start automatically and the LCD control will display the re-start sequence. That means the unit has been reset by the computer to initiate the communication protocol.



If you wish to acquire the controlling software please follow this link:

http://www.delarosaresearch.com/downloads.php?t=delarosa







THIS IS THE END OF THIS USER GUIDE.

This was all the basic information you need fo using the ILUSIONATOR SET; but this is just the beginning of the fun.

If there is something that is not clear to you, or if you have any questions, please feel free to contact us at any time.

We will be very happy to hear from you

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