Atlantis

USER MANUAL

CONNECTIONS

LENS

TOUCH CAMERA

ON/OFF

TOUCH SENSOR

POWER ADAPTER USB-C

HDMI-IN

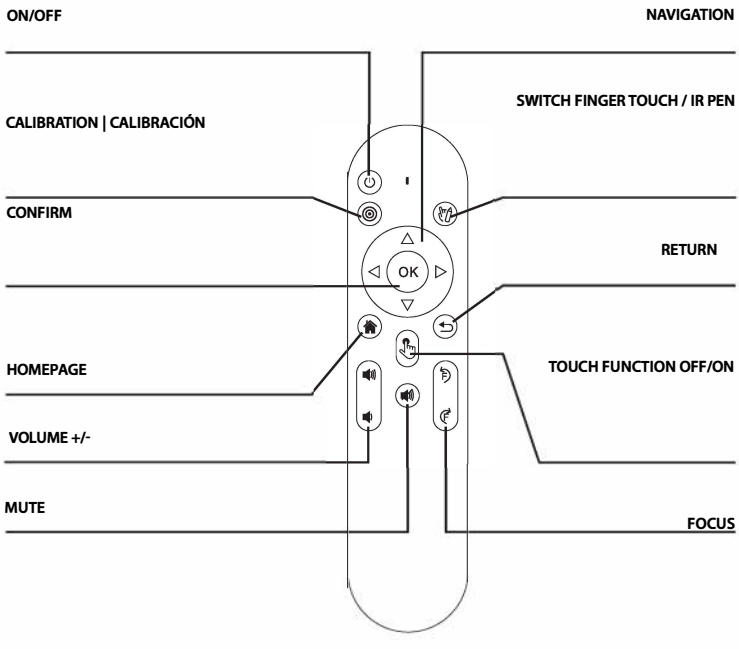
GIGABIT ETHERNET PORT

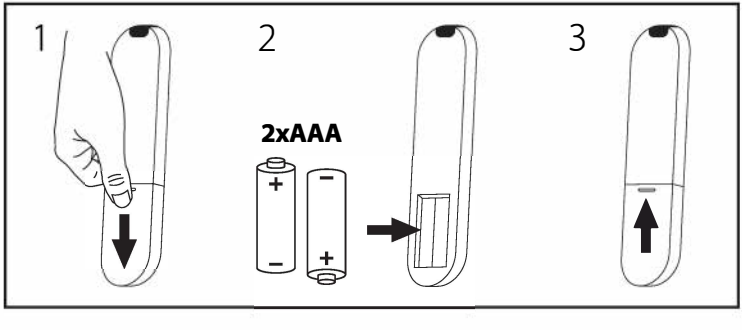
KENSINGTON LOCK

USB 3.0

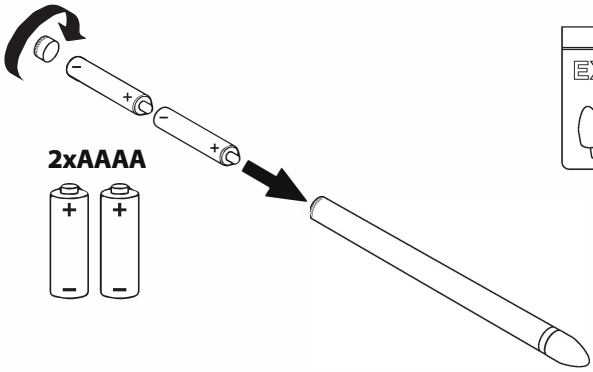
USB 3.0

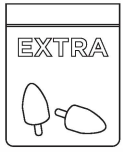
REMOTE CONTROL





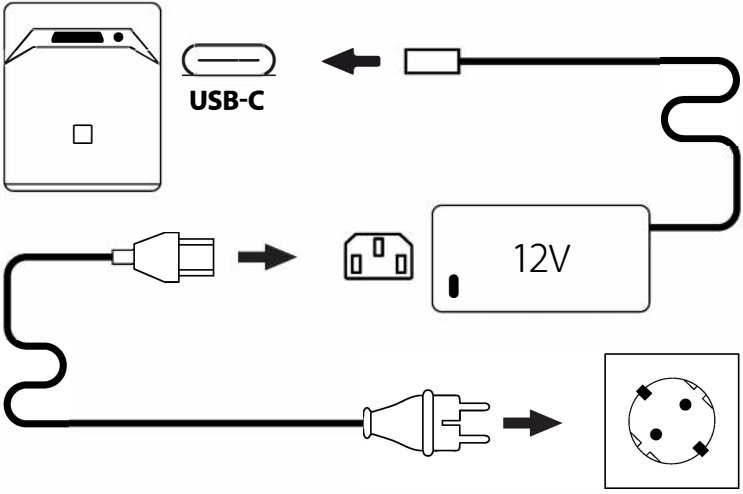
IR PEN





Included

CONNECTION



Laser Radiation
LASER PRODUCT
CLASS 1

Wavelength: 940 nm
IEC 60825-1:2014

Read the instructions and warnings carefully before using this equipment, to avoid any risk of electric shock or exposure to laser radiation.
The person in charge of the equipment must ensure that all users read and follow these instructions carefully.

This is class 1 laser product.
No special preventive measures are necessary for normal use, however, it is recommended to:

- NEVER look at the laser beam from the front while the device is in operation!
- NEVER look directly at the laser beam with optical devices (e.g. telescope, binoculars)!
- NEVER remove safety labels attached to the device!
- Do not attempt to open the device with tools (screwdrivers etc.).
- Do not attempt to use the device beyond the indicated capacities.
- The power source of the device must not exceed the indicated nominal DC voltage (12VDC).

WARNINGS !

- Before using the product uncoil the power cable, do not leave it coiled.
- Do not use the product near heat sources. Do not get wet.
- Do not immerse in water. Use a damp cloth for cleaning.
- In the case of use by persons with potential physical, sensory or reduced mental capacity, adult supervision recommended.
- Risk of electric shock. Never open the product or attempt disassemble its internal components or modify it in any way.
- For indoor use.
- If the device shows signs of malfunctioning, switch it off immediately and have it checked by a qualified technician. Take it to a qualified repair centre.
- Never use in conditions of high humidity or where condensation may occur.
- Observe the conditions of use indicated in this manual.
- When the product is switched on, maintain a minimum distance of 20 cm from the product (exposure to radio frequencies).
- This device is not a toy. Adult supervision is recommended if the device is used by a child.

FCC regulatory conformance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

RF Exposure

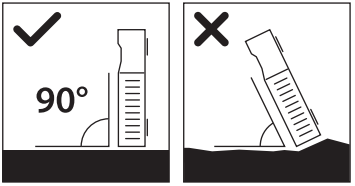
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

How to use the device correctly:

- Avoid directing the lamp towards human eyes to prevent eye damage caused by strong light emission when switching on or during use.
- Do not obstruct the ventilation outlet or air vents of the projector. Obstructing these openings may cause the internal temperature to rise, increasing the risk of fire.
- During use, be sure not to obstruct the light beam emitted by the projector. Obstructing the light can cause rapid overheating of the illuminated area, leading to problems for both the object hit by the light and the projector itself.
- Do not use harsh chemicals or detergents to clean the device or the projector lens directly. Before cleaning the lens, remove larger particles from the lens surface using a blower to prevent scratches.
  Next, use an optical lens paper or a soft, lint-free cloth moistened with a 95% or higher alcohol-based cleaning solution. Clean the lens in circular motions, starting from the centre outwards, to avoid the formation of halos or water marks on the lens surface.
- Ensure that the device is used in a dry and ventilated environment.
- Do not store the device in places that are too hot or too cold, as high (low) temperatures reduce the life of the electronic components. The permitted storage and usage environment for the device is 0°C~35°C.
- Do not put pressure on the device and do not place objects on or behind it, especially on the glass part of the lens, to avoid damage to the projector.
- Avoid throwing, knocking or subjecting the device to strong vibrations, to prevent damage to internal circuits. The projector is particularly delicate. It is recommended to use the supplied anchor kit to fix it firmly to the table, thus avoiding accidental falls. Please note that damage caused by such events is not covered by the warranty.
- Do not use or store the projector in dusty or dirty environments. Dust and dirt can clog the air filter, increasing the risk of malfunction or fire.
- Be sure to install the projector on a stable surface adequate to support its weight. Installing it on unstable surfaces could cause it to fall or tip over, resulting in damage to the device and risk of injury.
- Avoid installing the projector in locations exposed to salt spray or corrosive gases of any kind. Such environments may cause irreversible damage to the device.

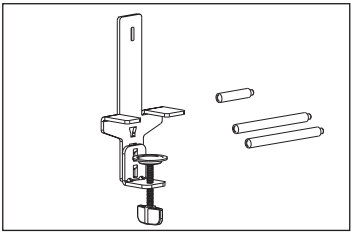
TABLE HORIZONTAL PROJECTION

The projector must be placed on the table being projected without being lifted from it in any way.
It must also be placed in a position perfectly perpendicular to the flat surface on which the projection takes place.
Variation of even one degree could lead to errors in touch detection. To do this, simply place the projector on the table without placing any object or paper underneath it.



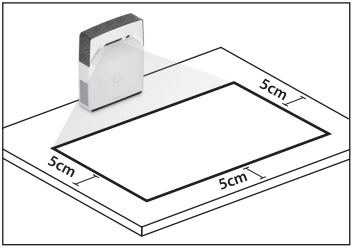
Also use the supplied bracket E78-P320A-T(B) to ensure stability and the correct angle.

Use only on perfectly flat and smooth surfaces NOT glossy, preferably white or otherwise light-coloured, otherwise the touch function may not work properly. Clean the projection surface regularly of dust or even small solid residues.



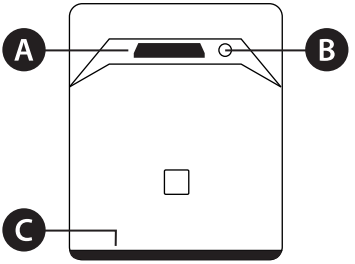
Use in environments with fluorescent, bright lights, direct sunlight or reflections directly aimed at the projection surface can lead to incorrect detection and problems in touch detection.
Some devices, including smartphones when recording video, use systems that can interfere with the touch detection system when pointed at the projection area.

Project onto a sufficiently large surface with at least 5cm of outer edge beyond the projection area.



Do not cover for any reason: the projection lens (A), the camera (B) and Do not obstruct the area in front of the black bar (C) at the bottom of the projector.

Avoid obstructing the projector light during use, as the accumulated heat can damage both the illuminated object and the projector itself.

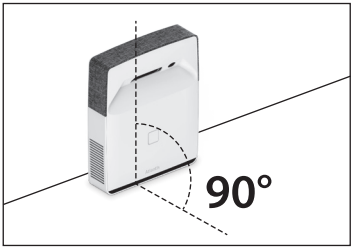


Using the Magic Touch Projector is extremely easy, but it is important to observe a few simple guidelines to ensure its proper functioning.
Atlantis has prepared a Video Tutorial that will guide you step-by-step through its configuration and give you directions on how to best use it.

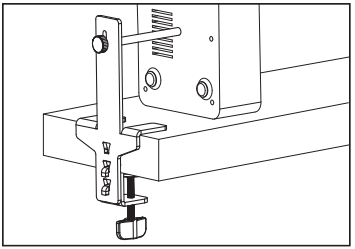
The complete manual is available in addition to the Video.

https://www.atlantis-land.com/MT_TUTORIAL

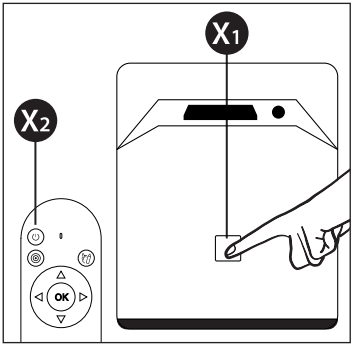
Position the projector vertically at 90° to the supporting surface.



Mount anchor bracket **E78-P320A-T(B)** following the appropriate instructions.



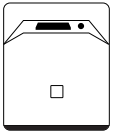
Once the device is connected to the power supply and the wall socket, **switch on the projector by pressing the button (X1) or the On/Off button (X2) on the remote control for three to four seconds.**

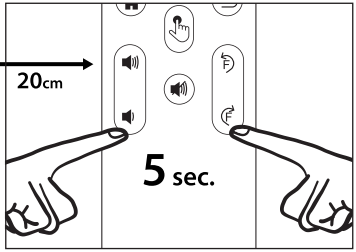


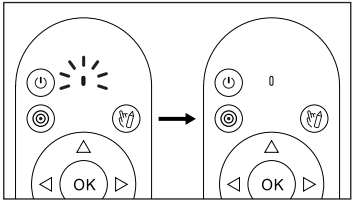
After a few seconds, the device will turn on and after the Boot phase is complete, the guide for pairing the remote control in Bluetooth mode with the projector will be displayed.

Check that the batteries are correctly inserted in the remote control.

Point it towards the projector, no more than 20 cm away, and hold down the Vol- and Focus- buttons simultaneously for about 5 seconds until the red LED goes out (then flashing for a few seconds).



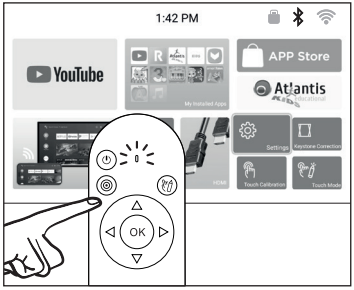




Magic Touch Projector will emit a sound and move to the homepage.
Now the remote control is paired in Bluetooth mode, **the Bluetooth icon, top right, is now green.**

On subsequent restarts of the device the remote control starts in Infrared mode, simply press any button to connect it in Bluetooth mode to the projector (the LED will blink 2 times after any button is pressed).
When the remote control is connected in Bluetooth mode, the LED will flash once after any button press and it is no longer necessary to point it at the projector.

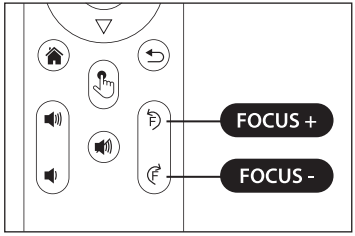
When the remote control is connected in Bluetooth, the icon on the homepage will turn green.



FOCUS ADJUSTMENT

To adjust the focus, press the F+ and F- buttons until optimal focus is achieved (the remote control must be connected in Bluetooth mode).

Focusing may not be uniform over the entire surface.



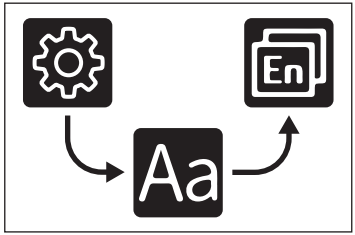
LANGUAGE

It is possible to change the language of the device by selecting:

SETTINGS
LANGUAGE SETTINGS
LANGUAGE SETTINGS

Now select the desired language.

When finished, press to exit or click Home.



WIFI SETTINGS

Follow the steps below to connect the projector to the Internet.

SETTINGS
NETWORKING SETTING
WI-FI SETTINGS

The device will display all wireless networks (2.4GHz and 5Ghz) detected in the vicinity of the projector.

Tap on **Refresh Wi-Fi** to rescan.

Tap on the network to which you want to connect the device and enter the access password (you must use touch to enter the password by tapping on the keyboard).
Using the directional arrows on the remote control navigate to Connect and then click OK.

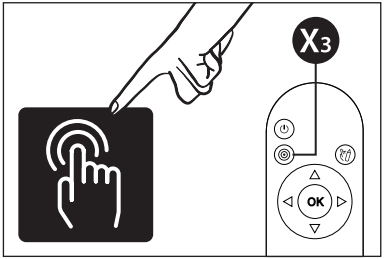
Alternatively, it is possible to connect the projector to the Internet via the network cable to the side port.

When finished, press to exit or click on Home.

CALIBRATION

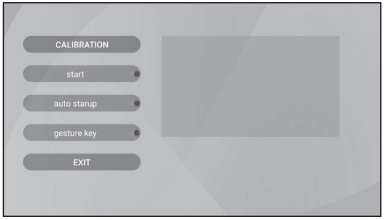
This operation is necessary on first start-up, whenever the projector is moved, or when better touch detection accuracy is desired.

The calibration operation is started via appropriate icon on the homepage or via the X3 button on the remote control.



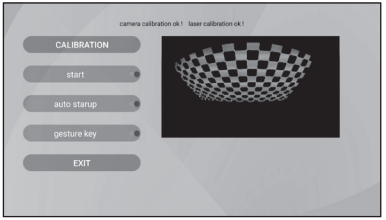
To proceed with the calibration operation you can use the remote control, via the appropriate slider, or directly with your finger.

Check that **Start / Auto Startup e Gesture Key are active.**
Tap on **Calibration** to start the procedure.
If activated, **Gesture Key** allow you to adjust the volume through a 5 cm wide interaction zone located along the left edge outside the projection area.



The calibration first performs a test of the proper functioning of the integrated camera by projecting a special pattern.

If the camera test fails, it is recommended to remove any objects on the projection surface that may interfere and then restart the procedure and check that it is white, flat and non-reflective.



The calibration process now shows four red dots on the screen. It is necessary to touch, with the finger, each of these dots for a few seconds, one at a time, with precision.
At the end of the procedure, it is advisable to slide your finger around to check the level of touch accuracy.

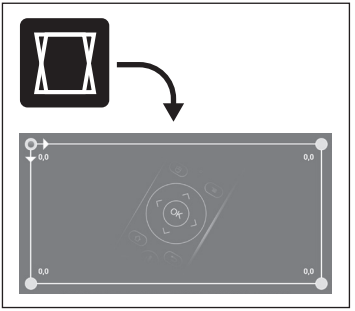
Click on EXIT to end calibration.

TRAPEZIUM CORRECTION

Carry out trapezoidal correction if necessary. Directly from the Home Page, click on the relevant icon and now follow the on-screen instructions.

Correction is only to be carried out from the remote control. Pressing the OK button changes the vertex to be corrected.
Once the vertex is highlighted, use the directional arrows to make the correction.
Press OK to move to the next vertex (cyclically).
Instead, a long press on the OK button makes a restoration initial conditions.

When finished, press to exit or click on Home.



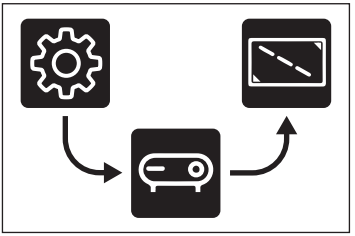
ZOOM

You can adjust the projection size from 24" to 30" using the Zoom function. Here are the steps to follow:

SETTINGS
PROJECTOR SETTING
ZOOM MODE

After entering 'ZOOM MODE' you can move the slider here to change the zoom level: the minimum level allows a projection with a diagonal of 24" on the table while the maximum level extends the diagonal up to 30".
It is also possible to change the projection ratio, the default value of which is 16/9.

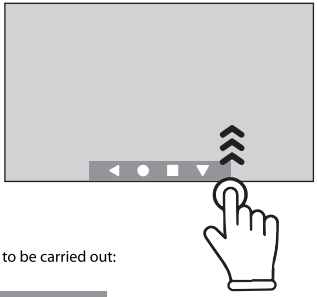
When finished, press to exit or click on Home.



ANDROID CONTROL BAR
The Android multifunctional control bar is displayed on the home page and can be hidden.
When an application is launched, the bar is no longer displayed.

To call it up, simply swipe your finger from bottom to top near the middle of the bottom edge.

To hide the bar, tap the down arrow.



The multifunctional control bar allows the following operations to be carried out:

PREVIOUS
touch the arrow to return to the previous page (where applicable).

HOME
tap to access the home screen.

SQUARE
allows you to view all open applications and to close or open them.

HIDE THE CONTROL BAR
tap to hide the control bar.

CLOSING APPS AND OPTIMISING RAM MEMORY
Opening multiple APPs can lead to system slowdown.
It is suggested that unused APPs be closed periodically.
To do this, proceed as follows:

- Displaying the multifunctional control bar.
- Touch the symbol ■
  Running applications will be displayed as follows.
- Close the desired APP by swiping upwards.
  Place your finger on the APP to be closed and drag it to the upper edge until the APP has disappeared from the screen (the side swipe allows you to move between apps in the background).

  To close all running applications, click on CLEAR ALL (moving all the way to the right).

Once connected to the Internet, you can access the Play Store. Tap on the 'APP Store' tile on the homepage. On first launch, you will be prompted to enter the credentials of an existing Google account or create a new one. Once the account has been entered, apps can be downloaded directly to the projector's capacious memory. The alternative Aptoide store is also pre-installed.

The time is displayed in the top centre of the screen, while three icons appear on the right-hand side, varying in colour between black and green depending on whether they are active or not.

The homepage of the projector is structured with various tiles that facilitate quick access to the main functions and configuration settings of the device.

YOUTUBE
Use this tile to launch YouTube. A download may be requested on first launch.

MY INSTALLED APPS
Use this tile to display all installed applications on the device.

APP STORE
Use this app to download any application (a reference account must be entered on first start-up). Wired or wireless Internet access should be set up first.

ATLANTIS KIDS EDUCATIONAL
On this page, you can access an up-to-date manual, watch videos guiding you through the device configuration and consult a list of applications suggested by Atlantis.

SCREENCAST (MIRRORING)
This app allows Android and Apple devices to stream smartphone content onto the projection surface, either via the AirPlay and Miracast protocols wirelessly or via a cable connected to the projector's USB ports.
By installing the **Transcreen app** (available for Apple, Android and Mac) instead, it is possible not only to duplicate video content on the projector, but also to fully control it by turning the device into an advanced remote control (see video tutorial or full manual).

FILE MANAGER
This app allows you to move and/or copy files between the projector's internal memory and connected USB devices.

HDMI
To project the video content of an external device connected via the HDMI port, click on the appropriate HDMI option.

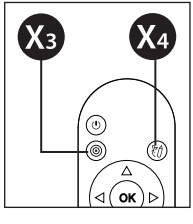
SETTINGS
Click to access Device Settings. Here you can configure every detail of the projector.

KEYSTONE CORRECTIONS
Click to select trapezoidal correction. Follow the on-screen instructions.

TOUCH MODE
This function allows you to switch the projector's operating mode between Finger Touch (using your finger on a horizontal surface such as a table) and IR Touch (using the IR PEN when projecting on a wall, up to a diagonal of 90").

- When the projector is placed vertically and projects onto a table, the use of Finger Touch mode is recommended.
  However, IR Touch mode can also be selected, but in this case the IR PEN must be used.
- When the projector is positioned horizontally and projects onto a wall (with a maximum projection of 90" diagonal), IR Touch mode must be used, requiring the use of the IR PEN.
- You can also change the touch mode via the remote control by pressing the appropriate button **X4.**

TOUCH CALIBRATION
This allows a fine calibration of the touch mode, whether by finger (Finger Touch) or infrared pen (IR Touch).
The calibration operation is also initiated via the X3 button on the remote control.
Tap (or select on the remote control) **Calibration** to start the procedure (more information in the previous chapter)



INFRARED PEN

The projector includes an infrared pen, designed to simulate human touch. To function, the pen requires two AAA (Quadruple A) batteries.

How to use the pen and battery life:

- The use of the pen is mainly intended for wall projection up to 90 inches and is designed for short-term interaction sessions. Continuous use of the pen significantly reduces battery life, limiting it to a few hours (continuous duration max. 7 hours / normal duration max. 120 hours). However, battery life is significantly extended when the pen is used for its primary function, i.e. as a pointing and selecting device on a surface, rather than for continuous touch.
- Using the infrared pen on porous or rough surfaces can cause the plastic tip to wear over time. Should the tip deteriorate, it can be replaced with one of the replacement tips supplied in the product packaging.

Atlantis

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ATL S.r.l.

OPERATING OFFICE:
Via Camillo Chiesa, 21
20005 Pogliano Milanese (MI) - Italy

LEGAL OFFICE:
Via Papa Giovanni XXIII°, 45
24121 Bergamo (BG) - Italy

tel.: +39 02.86897001
www.atlantis-land.com - info@atlantis-land.com

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