

ANOTO DIGITAL PEN ADP-501

Reference User's Guide –

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Document number: MAN-1-210018 Issue: UA6

REFERENCE



ANOTO DIGITAL PEN ADP-501

Reference User's Guide

REF ID: 10000000000000000000000000000000

Thank you for your interest in the Anoto Digital Pen.

Reading and frequently referencing to this user manual will help you get the most out of using the digital pen.

The information contained in this manual may be necessary when using the digital pen.

Please keep this user's guide in an easily accessible place and read through the complete document before using the digital pen.

How to switch on and off the digital pen

Switch on the digital pen by placing the nib (with or without cap) on a surface. The pen will switch on and be ready to use within 3 seconds.

The pen will automatically switch off after a time of inactivity.

How to insert or remove the battery

1. Push down the lock lever and slide the battery door on the underbody of the pen.
2. Remove battery if applicable
3. Adjust to the polarity indication of the holder (+, -) and insert the battery.
4. Close the cover, and make sure the lock lever falls in place.

How to insert or remove the cartridge

1. Push down the lock lever and slide the cartridge door on the top side of the pen.
2. If applicable, remove the cartridge by lifting the nib and gently pulling the cartridge from the pen
3. Insert the cartridge gently, without forcing it in to position.
4. Close the cover, and make sure the lock lever falls in place.

How to hold the digital pen

Do not cover the nib with the fingers

The digital pen takes snapshots of the paper to find out where on the paper or whiteboard you write.

Therefore, do not cover the nib with your fingers when writing.

LED indication during use

The multi colored LED on the digital pen will give you feedback during use.

Pen State/Event	MMI State	Priority	Comment
Off	Off		
Startup	Off		
Idle	Green Slow	Lowest	1 minute timeout
Bluetooth connected	Green Slow		
Bluetooth connecting	Green Quick		
Bluetooth discoverable	Green Quick		
Idle not paired	Yellow Slow		1 minute timeout
Battery warning	Red Quick		1.8 second timeout, repeated every 15 seconds.
Non Anoto-pattern warning	Yellow Quick		This MMI state is started after writing continuously on a surface without Anoto pattern for 8 seconds (i.e. no Anoto pattern is detected during this time). The state is ended either by: <ul style="list-style-type: none">• 8 second timeout after last pen up.• The user starts writing on a surface with Anoto pattern.
Action area feedback	Green Steady		While pen down
Bluetooth connect success	Green Steady		8 second timeout
Wrong PIN	Red Quick		8 second timeout
Connect failed	Red Quick		8 second timeout
Battery critical	Red Steady	Highest	8 seconds, then shutdown of pen

Technical data

Model	ADP-501
Weight	40g
Dimensions	173 x 30 x 25 mm (cartridge cap on)
Data communication	Bluetooth 2.0, HID
Operating temperature	0 to 40°C (no condensation)
Storage temperature	-20 to +65°C (no condensation, no battery, no cartridge)
Dry Cell	AAA-type 1.5V Alkaline battery
Operating time	Operating time Minimum 5 hours (pen down 100%)
Off battery time	Minimum 6 months (pen up 100%)
Bluetooth passkey	0109

FCC warning

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

Notice

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.

This device complies with Part 15 of FCC Rules and RSS-Gen of IC Rules.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- This class B digital apparatus complies with Canadian ICES-003.

- Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

About the RF Exposure

- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

- This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it is deemed to comply without testing of specific absorption ratio (SAR).

Declaration of conformity

We, COMPANY NAME declare under our sole responsibility that the production

Digital Pen Model ADP-501

to which this declaration relates is in conformity with the following standards

- EN60950-1, 2001 (Safety), - EN55022:2006 Class B (EMI), - EN55024:1998 (EMS)
- EN301 489-7 V1.3.1:2005-11, EN301 489-1 V1.8.1:2008-04 (EMC)
- EN300 328 V1.7.1:2006-10 (EMI)

Following the provision of R&TTE Directive 1999/5/EC

**LED RADIATION
DO NOT VIEW DIRECTLY
WITH OPTICAL INSTRUMENTS
CLASS 1 LED PRODUCT**

Disposal of Old Electrical & Electronic Equipment

(Applicable in the European Union and other European countries with collection systems)



This symbol on the product or on its packing indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Bluetooth Information

The Bluetooth Qualification information of this product could be referred to Bluetooth identifier B015858.

Trademark Notices

- "Anoto",  and  are trademarks owned by Anoto AB, Sweden.
- "Bluetooth" and  are the trademarks of Bluetooth SIG, Inc.
- All company names, brand names and product names are trademark or registered trademark of each company.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This guide contains important information. Please keep it for future reference.

PRODUCT SAFETY

- READ THESE SAFETY INSTRUCTIONS CAREFULLY. FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS COULD RESULT IN FIRE, ELECTRIC SHOCK, PERSONAL INJURY OR PROPERTY DAMAGE.
- Only use the digital pen and its accessories in accordance with the user's guide. Any other use may result in personal injury or property damage.
- Do not drop, throw, bend or deform, crush, disassemble or open, puncture, shred, microwave, incinerate, paint, or insert foreign objects into the digital pen or its accessories. Failure to follow these instructions could result in personal injury or property damage.
- The digital pen and its accessories contain small separable parts which may present a choking hazard. Choking could result in injury or death.
- Do not dispose of the digital pen or its accessories in a fire. The battery may explode or flame, which could result in personal injury or property damage.
- In the event of a battery leak, do not allow the liquid to come in contact with skin or eyes. This may result in personal injury. If contact has been made, wash the affected area with large amounts of water and immediately seek medical advice.
- Do not ingest the battery. The battery cell contents can be toxic if ingested.
- Do not attempt to make any repairs except replacement of the ink refill. Do not open the digital pen except in order to replace the battery. This runs the risk of personal injury or property damage. Contact point of purchase if the device needs repair.
- Do not incinerate used batteries, dispose of batteries in fire, recharge non-rechargeable batteries or short-circuit the supply terminals. Failure to follow these instructions may result in fire, explosion, electric shock, battery leakage or other injury or damage.

- Risk of eye damage - invisible infrared light emitted from the digital pen tip. Do not look directly into the tip. Do not view the tip with an optical device.
- Turn the digital pen OFF in areas with potentially explosive atmosphere. The digital pen is an electronic device. Sparks may cause fire or explosion resulting in personal injury or death or damage to property.
- Turn the digital pen OFF when in a blasting area, to avoid interfering with blasting operations.
- Do not use the digital pen while your attention also is required elsewhere, such as while driving.
- Turn the digital pen OFF when in an area where posted notices require radio transmitters to be switched off.
- Aviation regulations may prohibit using wireless devices while in the air. Turn the digital pen OFF when on an airplane.
- The digital pen may interfere with some hearing aids or other personal medical devices. If it does, consult the supplier for alternatives or remedies.

PRODUCT CARE

- READ THESE INSTRUCTIONS THOROUGHLY. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE DIGITAL PEN AND ITS ACCESSORIES, AND VOIDING THE WARRANTY.
- Only use the digital pen and its accessories in accordance with the user's guide.
- The digital pen is an advanced electronic device. It is not a toy. Treat it with at least the same care as any electronic device made for home or office use.
- The device is intended for indoor, dry location use only.
- Keep the cap on when not using the digital pen. This preserves power and protects the optics.
- Routinely check the digital pen and accessories for proper and safe condition. Do not continue to use the product if there is any damage or broken parts. Consult your point of purchase if the device needs repair.
- Do not expose the digital pen or its accessories to extreme temperatures or direct sunlight, neither during use nor during storage.
- Keep the device in a clean and dust free place.
- Keep food and beverages away from the device.
- Clean with a dry cloth. Do not use water, soap, detergent or other chemicals.
- Do not drop the device or allow any other kind of strong impact, which can severely damage it or prevent it from working properly.
- Do not expose the device to water or any other fluids. It is not waterproof or water resistant. Do not leave it in damp conditions.
- Do not use the pen near strong radio waves or magnetic fields. It may cause the pen to malfunction or destroy the pen.
- Do not dispose of this product in the trash. As with any electronic product, check with your local waste or recycling company to determine the correct disposal method and location in your area.
- Use the digital pen with ink refills specified by COMPANY NAME. Using any non-authorized accessories may damage the digital pen and voids the warranty.
- Do not reuse damaged ink refills as this could cause ink leakage. When replacing refills, take special care not to damage the tip of the pen or the refill itself.
- Do not open or disassemble the device except to replace the battery or the ink refill. There are no other serviceable components inside. The warranty will become void. Changes or modifications to this unit could void the user's authority to operate the equipment.
- Follow the polarity (+/-) diagram in the battery compartment.
- Replace batteries immediately when notified by the low battery warning.
- Replace only with batteries of the same type as the recommended or with equivalents thereof.
- Remove the battery before long-term storage of the digital pen. Do not dispose of used battery in the trash. As with any battery, check with your local waste or recycling company to determine the correct disposal method and location in your area.
- Do not use rechargeable batteries. The digital pen and/or the batteries may be destroyed.