



AVA N20 Automated Videoing Assistant User Manual

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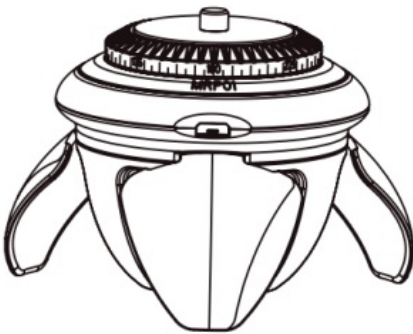
Thanks you for choosing the Automated videoing Assistant (**Mode:AVA N20**). Please read this shot manual before use. More detailed instructions can be found from from the **AVA Website:** <https://ava.website>

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Inside The Box

1. AVA N2



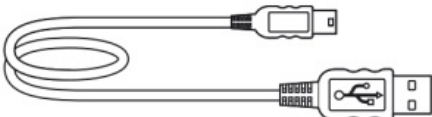
2. IR Remote



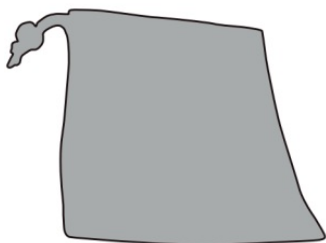
3. Instructions



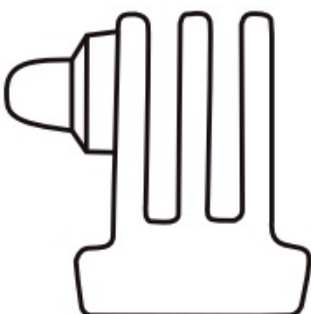
4. **USB Charging Cable**



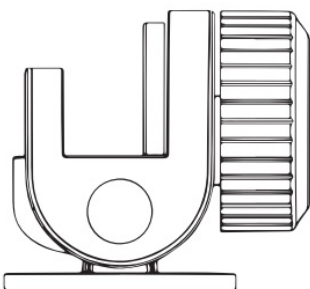
5. **Protective Bag**



6. **GoPro Mount**



7. **Phone Holder**

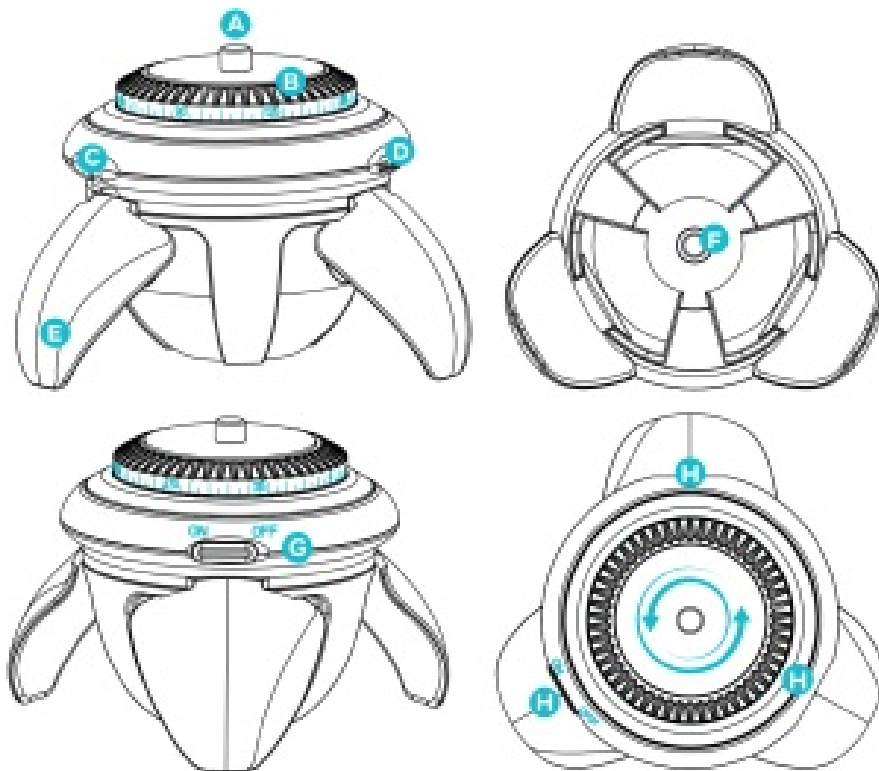


Specifications

- **Model:** AVA N20
- **AVA Dimension=** 64 mm (H) / 72mm (Di)
- **Stand-by Time:** Over 12H
- **Rotational Speed:** 3sec-24h rotation

- **Weight:** 205g
- **Continuous Working Time:** Over 9H
- **Nominal Voltage:** 3.7 V Max No-load Current 65mA
- **Max Battery Capacity:** 750 mAh
- **Bluetooth Version:** BLE 5.4
- **Level Max. Load:** Within 1kg
- **Tilt Max. Load:** Within 400g
- **Vertical Max Load:** Within 300g
- **Inverted Max Load:** Within 300g

AVA N20 Profile



- **A:** 1/4" Universal Screw
- **B:** Rotation Head
- **C:** IR Signal Receiver
- **D:** USB Charging Port
- **E:** Support Legs
- **F:** 1/4- Screw Hole
- **G:** Power On/Off
- **H:** Indicator Lights
- **A:** 1/4 screw for connecting a phone mount, other mounts or devices.
- **B:** 360 degree rotation Mad controlled through AI auto-tracking (via App) or manual control function.
- **C:** IR receiver for processing IR remote functions.
- **D:** USB charging port to charge the Lithium Ion battery.
- **E:** Support legs are required if AVA device is not mounted to a tripod.
- **F:** 2/4- screw hole to avow tripod mounting.

- **G:** Power switch.
- **H:** Indicator lights (Red/Green/Blue) for indication of device status or function.

Mounting Device and Holders to AVA

AVA Phone Holder

The supplied phone holder can be screwed on and off as required. This phone holder can be moved manually up and down to point at different angles on the Y axis.

If, over time, the phone holder becomes too loose on the Y axis, simply pry off the phone holder plastic caps by inserting a pin at a tiny hole at the 6 o'clock position on the protective caps. Once the caps are off, simply tighten the screw and push caps back in. AVA is compatible with any 3rd party phone holder (or device) which has a 1/4 screw thread.

Cameras

Be sure to check the weight of any camera before mounting it to AVA. The load limits are outlined in these instructions. Cameras mounted to AVA will only work with AVA's manual control functions. If you want your mounted camera to benefit from AVA's auto-tracking capabilities, you will need to purchase the EyeSite attachment module.

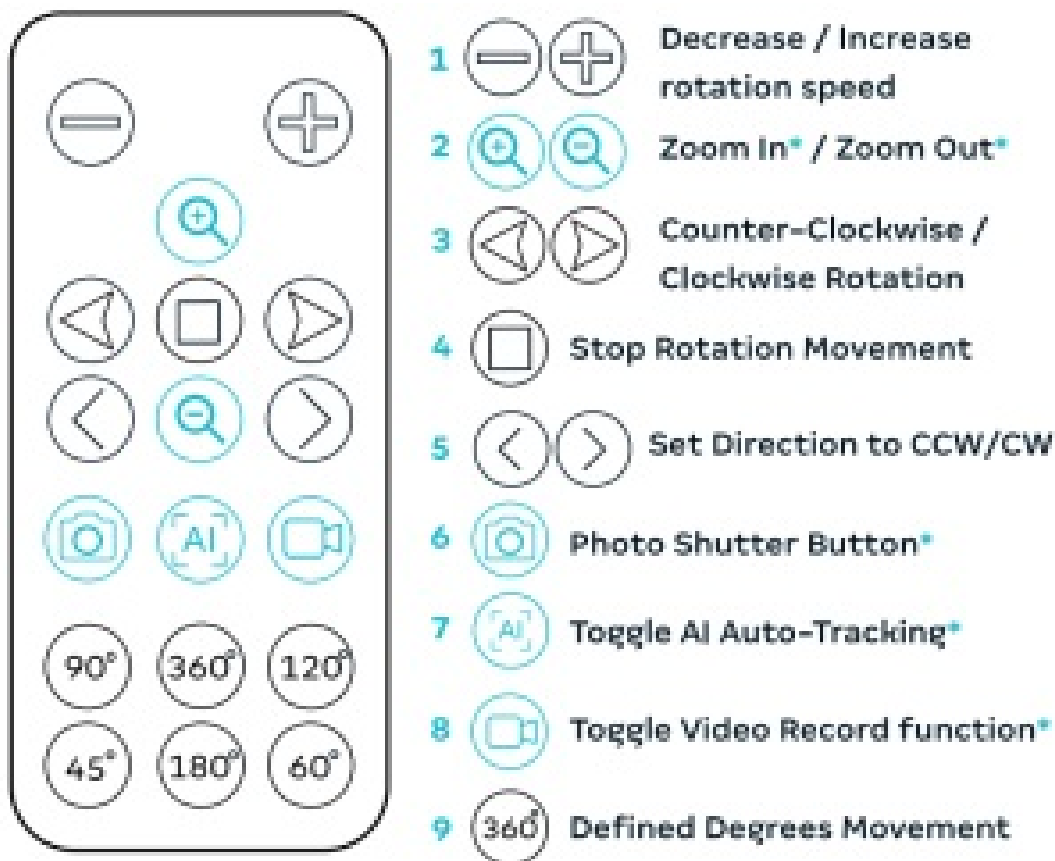
Tablets

Android tablets and iPads can be mounted to AVA as long as they are within AVA's load limits. Be sure to purchase an appropriate iPad or tablet holder and take extra care when mounting both the iPad/tablet and holder onto AVA. Please do not use the included AVA Phone Holder for use with tablets/iPads. Be sure to mount AVA to a tripod when using AVA with iPads/tablets.

Lights Functions

Scenario	Indicator	Outcome
Press any key on IR Remote	Green/Blue light flashes once	Button function executed
Plug USB into charge port	Red light is constant when charging	Red light will turn off when fully charged
Low Battery	Green/blue lights will flash	Please charge the low battery
Press video record button on App or Remote	Green light will stay constant when recording	Video footage will be saved to app
Press camera shutter button on App or Remote	Green light will flash once	A photo will be taken and saved to device

IR Remote Control



- Blue buttons on remote only work with AVA Hub (or compatible) Apps.

1. The decrease or Increase rotation speed buttons allow user to cycle through 16 default speeds. Speed 1 AI perform a rotation In 3 secs through to speed 16 which wig perform a rotation in an hour. These default speeds can be changed in the AVA Hub app.
2. The zoom controls are only functional when used with the AVA Hub app or other AVA compatible apps. These zoom control slow user to select a defined zoom level from the IR remote.
3. The COW and CW movement controls allow the user to freely move the AVA device in clockwise or counter-clockwise direction.
4. The stop button is specifically for the function of stopping the AVA device when it is moving.
5. The set direction buttons combine with the defined degrees buttons to pre-set the direction that the device wig move when a pre-set degrees button is pressed.
6. The photo shutter button requires the AVA app (or compatible app) to allow photo to be taken when this button is pressed. Photos are saved to the AVA App or the device photo gallon/.
7. The toggle AI button is for turning on or turning off auto-tracking. This allows you to interchange between manual movement of the AVA device and AI auto-tracking.
8. The toggle video button starts or steps the video record function of the connected device. This button wig only work with the AVA App or other compatible apps.
9. The defined degrees movement buttons will move the AVA device rotation head in a defined direction.

AVA Hub App

Overview

The AVA Hub App is an essential part of the Automated %/Wooring Assistant ecosystem and can be downloaded from the Google play or App Store. Simply search 'AVA Hub' and download the app to your Android or iOS device. The AVA Hub app is primarily centered around content creation services linked to auto-tracking functionality, but is also used to monitor and report the status of AVA and blow connection with attachment modules (such as EyeSite).

Getting Started

With the AVA Hub App downloaded, be sure to do the following in sequence:

1. Be sure that your iOS/Android device has Bluetooth enabled and that your AVA device is switched on. The AVA device will be slow flashing a blue light In this initial disconnected state.
2. Load up the AVA Hub App. The intro screen will show a 'Connect button. Press Connect button and you ll enter inside the App."

NOTE: On first load of the app, the app will request various permissions from your IOS/Android device. Please accept these permission requests as the AVA Hub app will not function correctly without these permissions accepted.

- If you have trouble connecting, exit the App completely and re-start and repeat the connection process. Also be sure to check your AVA device is turned on and Bluetooth is enabled. If you accidentally denied AVA App the essential permissions, delete app and reinstall.

More

The 'More' section contains a number of other menu items, Information about AVA and important areas of the app. The most notable menu within this section is the 'Modules' section which provides information and purchase options for tho various add-on attachment modules available for AVA. If you own an attachment module (such as the 'EyeSite' module), you can download it to the home screen allowing you to control the module and its settings from the Home Screen.

Camera Mode

Camera mode is Indicated by a circular button in the center of the home screen menu. Once pressed, it wig take user to the camera Screen.

Camera Screen

After the circle menu button has been pressed, you ll exit out of the Home Screen and into the Camera Screen. By default, your device will be in AI mode meaning that auto-tracking will be trying to keep you or other subject in the middle of the screen. This can easily be turned off from the [AI] button on the IR Remote (or compatible remote) or from pressing the [AI] button directly from the camera screen.

Other functions available to you from the Camera Screen are as follows:

1. **SwitchtoFrontCamera-** If you are the person being recorded and you want to see yourself, then it's best to switch to the front facing camera.
2. **Toggle AI on/off** – You can toggle the AI auto-tracking by pressing this button on the Camera Screen or by pressing the [AI] button on the remote.

NOTE: You must be using the AVA Hub or other AVA compatible App for the Remote (AI) button to work.

3. **Settings-** You can control various camera settings from this section such as: Tracking Profile, Tracking Subjects and Tracking Sensitivity.
4. **Zoom In/Out** – With finger gestures on the screen itself or via the zoom buttons on the remote, you are able to control zoom level.
5. **Auto-Zoom** – You can select from a few different options of auto-zoom level or to toggle the feature on/off.
6. **Light and Rash** – You can manipulate your device's camera light with this feature to get the right lighting for your content
7. **Exit to Home Screen** -A cross in the top left corner allows you to exit out of the camera screen and back to the Home Screen.
8. **Video Record** -A video record button allows footage to be captured. A record button on the included IR remote also performs this same function. Captured video footage will be saved to the Content section of the app or saved directly to your device's photo/video gallery.
9. **Camera Shutter** -A camera shutter button allows a photo to be taken from the app. A photo can also be taken with the same button on the IR remote.

Important Notices

- Please use AVA according to the published instructions.
- Please charge the battery with the cable provided (or other matching Micro USB cable).
- Please do not use cleaning agents or chemicals for cleaning AVA.
- Please take care not to spill anything on AVA.
- Please don't paint any part of AVA.
- Please keep AVA out of high temperature areas (such as fire place).
- Please do not press hard on AVA's aluminium head or apply excessive force to any other part of AVA.
- For the first use, please take out the clear plastic insert from the battery section of the IR Remote Control (the remote won't work without this removed).
- Please hold AVA's aluminium head by hand when mounting a holder onto AVA's 1/4 screw thread. This is to stop the head from turning whilst screwing on the holder.
- Please don't rotate AVA's aluminium head manually by hand as manual movement of the head might cause damage to the motor.
- If using the IR Remote, be sure you can point the IR Remote in the general direction of the IR sensor on AVA.
- The AVA device is not waterproof and offers only limited water resistance from light rain. Please refrain from using AVA in inclement weather.
- Take extra care when operating AVA in windy conditions.
- Operation in heavy wind conditions should be avoided. Even low level wind can blow over AVA on its own legs or when mounted to a tripod.
- When operating AVA on, or near to, maximal load levels (e.g 1kg for level loads), please ensure weight distribution is centered through the middle section of the AVA device. We'd recommend not operating AVA near to maximal load levels for sustained periods of time.



Documents / Resources



[AVA AVA N20 Automated Videoing Assistant](#) [pdf] User Manual
AVAN20, 2A3W3-AVAN20, 2A3W3AVAN20, AVA N20, Automated Videoing Assistant

[Manuals+](#).