

Your outdoor altimeter, set up right.

8-in-1 digital compass, altimeter, barometer and thermometer · SKU 1x8IN1-DIG-COMP



8-in-1

Compass · Altimeter
Barometer · Thermometer
Weather forecast
Clock · Calendar · Backlight

Runs on 2 × AAA batteries. A lanyard is included for hand-carry use.

First time? Fit the batteries, set the clock and units (page 5), then calibrate the compass (page 6) and set your reference altitude (page 7).

A helpful aid, not a safety device. Altitude and the weather forecast are worked out from air pressure and change with the weather. Always carry a map and check official weather reports before outdoor trips.

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This guide is based on the instruction leaflet supplied with the device and the product listing. Values taken from the listing are marked (listing).

01 · SAFETY AND CARE

Before you start

A battery-powered outdoor instrument: handle it with care

Not for safety-critical use

Use the altitude, compass and forecast readings as a guide only. They are not a substitute for a map, a dedicated navigation instrument or official weather warnings.

Batteries

Use 2 × AAA batteries and match the + and – marks in the battery compartment. Do not mix old and new batteries. Remove the batteries if the device will not be used for a long time. Keep batteries away from children.

Keep away from magnets and metal

Magnets, speakers, phones, metal objects and vehicles disturb the electronic compass. Hold the device away from them while you take a bearing, and recalibrate if the direction looks wrong (page 6).

Keep it dry

Water resistance is not stated for this device. Protect it from rain, splashes and condensation, and dry it straight away if it gets wet.

Handle with care

Avoid drops, strong impacts and pressing hard on the display. Do not open the case other than the battery cover.

Cleaning

Wipe with a soft, dry cloth. Do not use solvents or abrasive cleaners.

Know the device

Parts as labelled in the instruction leaflet



Button	Main use
COMPASS/-	Show the compass; hold for 2 s to calibrate; decrease a value
ALTI/+	Switch between altimeter and barometer; hold for 2 s to zero relative altitude; increase a value
SET	Switch clock / calendar; hold for 2 s to enter settings; hold for 5 s to sleep
HISTORY	View altitude and pressure records; confirm and exit settings

Any button also turns on the backlight for 5 seconds. The **spirit level** bubble helps you hold the device flat; the **lanyard hole** takes the supplied strap.

03 · GETTING STARTED

Batteries, clock and units

From the instruction leaflet



Easy Battery Replacement

Powered by 2 x easy-to-replace AAA batteries for reliable, long-lasting performance on all your outdoor adventures.

Fit the batteries

Open the battery cover on the back and fit 2 × AAA batteries, matching the + and – marks. Close the cover. The display lights all segments, then starts.

Set clock, calendar and units

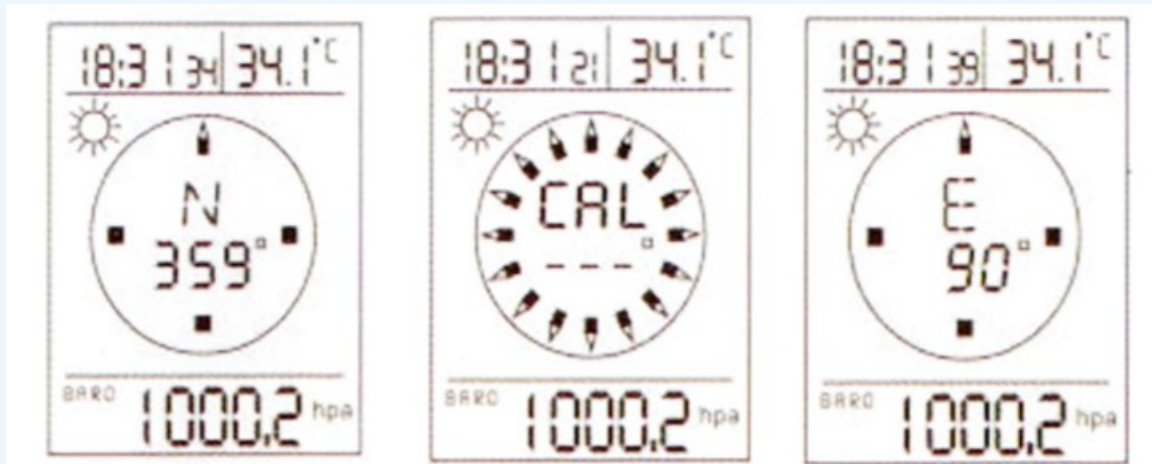
1. Hold **SET** for 2 seconds. **24Hr** flashes. Press **ALTI/+** to choose 24Hr or 12Hr.
2. Press **SET**: the hour flashes. Set it with + / –.
3. Press **SET**: the minute flashes. Set it.
4. Press **SET** for year, then month, then date. Set each with + / –.
5. Press **SET**: the temperature unit flashes. Press **ALTI/+** to choose °C or °F.
6. Press **SET**: the pressure unit flashes. Press **ALTI/+** to choose hPa, inHg or mmHg.
7. Press **SET**: the altitude unit flashes. Press **ALTI/+** to choose M (metres) or FEET.
8. Press **HISTORY** to confirm and exit.

On the main screen, a short press of **SET** switches the top line between clock and calendar. + is ALTI/+ and – is COMPASS/–.

04 · DIGITAL COMPASS

Calibrate, then take a bearing

Calibrate once after fitting batteries, and again if readings look wrong



Left: compass before calibration. Centre: CAL shown during calibration. Right: compass after calibration (instruction leaflet).

Calibrate

1. Press **COMPASS/-**. The compass appears, but the bearing may be wrong at first.
2. Hold **COMPASS/-** for 2 seconds until **CAL** appears.
3. Hold the device flat, with the spirit-level bubble inside its circle, and turn it slowly through **12 full circles**.
4. Press **COMPASS/-**. The correct bearing appears and calibration is complete.

Taking a bearing

Hold the device flat and level, away from metal and magnets. The display shows the direction (for example N, E or WNW) and the bearing in degrees. Press **ALTI/+** to leave compass mode.

When to recalibrate

Calibration is normally needed only the first time. Recalibrate after a long period without use, or if strong magnetic interference makes the bearing inaccurate.

Altitude and air pressure

From the instruction leaflet

Altitude above sea level

The altimeter shows the height above sea level of your location, worked out from air pressure. Because air pressure changes with the weather, set a known reference altitude (for example from a map or signboard) before each trip.

Set the reference altitude

1. Press **SET** and **ALTI/+** together. The altitude flashes.
2. Press **ALTI/+** to increase or **COMPASS/-** to decrease the value.
3. Press **HISTORY** to finish. If no button is pressed for 10 seconds, the setting closes automatically.

Relative altitude

Use this to track how far you climb or descend from a point. In altimeter mode, hold **ALTI/+** for 2 seconds to set the value to 0 m. The lower row then shows your height above (positive) or below (negative) that point.

Barometer

The barometer shows the air pressure at your location. Press **ALTI/+** to switch the display between altimeter and barometer. Choose hPa, inHg or mmHg in the settings (page 5).

More functions

From the instruction leaflet

Weather forecast

The device predicts the weather for the next **12 to 24 hours** from changes in air pressure, for an area of about **30–50 km**. It does not show current conditions. Ocean and continental weather systems can make the forecast inaccurate, so check your local weather service as well.

Altitude and pressure history

Press **HISTORY** to see the most recent record. Press **ALTI/+** or **COMPASS/-** to move forwards or backwards through the records. Up to **256** records are kept. A record is saved every 5 minutes by default; hold **HISTORY** for 2 seconds to change the interval (1–60 minutes).

Sleep mode

To save the batteries, hold **SET** for **5 seconds**. The display switches off. Press any button to wake the device.

Backlight

Press any button to light the display for 5 seconds. Pressing a button while it is lit adds another 5 seconds.

Holding SET

The leaflet uses SET for both: hold for 2 seconds to open the settings, or hold for 5 seconds to sleep. If the settings open by mistake, press HISTORY to leave them.

07 · SPECIFICATIONS

Functions and dimensions

Values from the instruction leaflet unless marked (listing)

Item	Value
Functions	Compass, altimeter, barometer, thermometer, weather forecast, clock, calendar, backlight
Altitude range	–700 to 9000 m / –2300 to 29500 ft (listing)
Altitude unit	Metres or feet
Pressure unit	hPa, inHg or mmHg
Temperature unit	°C or °F
Compass	Direction letters and bearing in degrees
Weather forecast	Next 12–24 hours; area about 30–50 km
History	Up to 256 records; interval 1–60 minutes (default 5 minutes)
Clock	12 or 24 hour; calendar
Backlight	5 seconds per button press
Power	2 × AAA batteries, included (listing)
Size and weight	About 88 × 47 × 22 mm, 47 g (listing image)



Image: product listing. Measurement accuracy, temperature range, battery life and water resistance are not stated, so none are claimed.

08 · TROUBLESHOOTING

If something is not right

Most problems are solved by recalibrating or replacing the batteries

What you see	Possible cause	Next step
Blank display	Sleep mode, or batteries flat or fitted wrongly	Press any button. If still blank, check the + / – marks or fit new AAA batteries.
Compass bearing wrong	Not calibrated, or near metal or magnets	Move away from metal and magnets, then calibrate (page 6).
Altitude differs from a known height	Air pressure has changed with the weather	Set the reference altitude again (page 7).
Altitude drifts while standing still	Weather changing the air pressure	Normal for a pressure altimeter. Reset the reference altitude.
Wrong units shown	Unit not set	Set °C/°F, hPa/inHg/mmHg and M/FEET in the settings (page 5).
Forecast does not match the sky	Forecast is for the next 12–24 hours	It does not show current weather. Check your local weather service.
Display dark at night	Backlight lasts 5 seconds	Press any button to light it again.

Still unsure? Contact amiciKart support with a photo of the display and a short description of the problem.

[Contact support](#)

[Product page](#)