

InstAlert 24 Quick Start Guide



Thank you for purchasing an **All Traffic Solutions InstAlert 24 Variable Message Sign**. This quick start guide will show you how to install, power, and configure your new sign.

Before you take to the road

Perform the following setup steps in your shop, before you take the InstAlert to the roadside.

Step 1 Unpacking the equipment, below

Step 2 Charging the PowerCase (if provided), below

Step 3 Setting up the mounting hardware, below

Step 4 Choosing a site, on the next page

Step 5 Mounting the InstAlert, on page 3

At the roadside

Step 6: Configuring the InstAlert locally, on page 3

Scan or click the QR code for an installation video >>>



SCAN ME

Step 1 Unpacking the equipment

- » Remove the sign, power source, such as PowerCase, and any other optional equipment from the boxes. Check to ensure that you received everything in your order and contact ATS immediately if there are any issues.

Step 2 Charging the PowerCase (if provided)

- » Charge the PowerCase before deployment. Follow the instructions and warnings provided with the PowerCase. For effective charging, be sure to select **AGM mode** on the charger module, as shown:

 **WARNING: RISK OF INJURY OR DEATH. To avoid the buildup of explosive gases, leave the lid of the PowerCase OPEN while charging.**



Step 3 Setting up the mounting hardware

Use the steps in this section for help with setting up the portable post.

To unfold the portable post:

- Extend all four telescoping legs.
- Push on the leg locks and lower each leg until the lock clicks back into place.
- Unfold the stand by removing the wire-lock pin.
- Raise the upper post of the stand and replace the wire-lock pin.
- Level the stand and stabilize it with sandbags if windy.

ATS 5 other ATS 5 family Trailers

 **NOTE:** If your purchase includes an ATS 5 Trailer, ATS 5 FLEX Trailer, ALPR Camera-Ready Trailer, or Mobile Surveillance-Ready Trailer, the sign comes installed and ready for use, including a battery or solar power supply. Refer to the *Quick Start Guide* supplied with your trailer for help with setting up the sign.

To install the mounting plate:

Next, use the supplied hardware to attach the mounting plate to the portable post.

- A. One at a time, pull the two spring-loaded retaining pins (*Figure 1, below*) to open the locking plates (*Figure 2, below*) on top of the bracket, and rotate the locking plates up.



Figure 1, Spring-loaded retaining pin



Figure 2, Locking plate

- B. Release the retaining pins back into the holes so that they snap into place.

Step 4 Choosing a site

Next, you'll need to set up a site for your InstAlert. Here are the basic steps and options you'll need to perform:

- A. **Select a street location:** Carefully consider the physical characteristics of the roadway to ensure optimal performance of the sign and solar panel. See [Selecting a physical location, on the facing page](#).
- B. **Create and assign a Site in TraffiCloud to hold your data:**

Option 1: If you have a Traffic Suite Software subscription,

- i. On the TraffiCloud Web portal, click **Sites** and then click the plus sign  to create a new Site,
- ii. Assign the site to your device: On the **Equipment** page for your device, go to **General > Assigned Site**.

Option 2: If you have a license to use the TraffiCloud mobile app, on the navigation menu, tap the **Site**.

Management tab and then click the **Plus** button 

Option 3: If you'll be using the TraffiCloud Sign Manager application on your PC, on the TraffiCloud Web portal, click **Sites** and then click the plus sign  to create a new Site. Then, assign your data to this Site when you upload it using the application.

For detailed instructions:

- See the video "Creating and Assigning Sites" (select a video based on your sign type) from the [TraffiCloud Training Hub](#).
- If you have the Traffic Suite Software, in the *TraffiCloud User Guide* see "Creating a Site" and "Assigning a Site to your device."

Selecting a physical location

The site you select for the InstAlert will vary with your requirements, however you should generally adhere to the following guidelines:

Guideline	What to do
Choose a flat location	Choose a location on a flat straight road section, directly adjacent to the roadway, where the line of sight from the InstAlert to the roadway will be uninterrupted by other traffic lanes, parked vehicles, or sidewalks. Consider how the location may develop with time, such as growth of trees or construction of other new structures that may block the InstAlert or solar panel.
Ensure appropriate sunlight	If you have a solar panel, choose a location where it can be installed higher up on the pole and will remain unobstructed in terms of sunlight throughout the day.
Choose the distance from the roadway	Ideally, place the InstAlert within 12 ft. (3.7 m) of the roadway.
Set the mounting height	Attach the InstAlert to the pole at a height anywhere from 5 ft. 6 in. at the bottom of the device to 8 ft. (between 1.7 m and 2.5 m) at the top of the device.
Choose your pole type	You can secure the pole bracket to any type of pole using banding straps, lag screws, or nuts and bolts. The included banding straps are sized to mount the InstAlert either to a 4-in.- to 5-in. (10-cm to 13-cm) diameter round metal pole or a 4-in. x 4-in. (10 cm x 10 cm) wooden pole. For larger poles, you'll need longer banding straps, available from hardware stores.
Use a stable structure	Mount the InstAlert on a stable and firm structure. Avoid structures that are likely to be affected by wind or rain.

Step 5 Mounting the InstAlert

Use these steps for help with mounting the InstAlert on the portable post.

- Lift the InstAlert and angle the bottom of the sign onto the bottom shelf of the mounting plate, as shown.
- Push the top of the sign under the top mounting plate tabs.
- Pull the spring-loaded retaining pin, rotate the locking plates down to hold the sign in place and release the retaining pin.



Step 6: Configuring the InstAlert locally

Use this topic for help with configuring the sign at the roadside and for powering up the device.

If you have a TraffiCloud subscription, you can skip this step and instead configure the InstAlert on the TraffiCloud Web portal, creating a data collection site, setting the sign display options, and setting up alerts. See the *TraffiCloud User Guide*.

If you don't have a TraffiCloud subscription, you can do any of the following (see details next page) to perform initial InstAlert configuration locally, either at your office or after the sign is mounted at the roadside. You can do any of following:

Use the InstAlert onboard buttons

» Configure the InstAlert using the onboard buttons: **Sign Mode** and **Settings**.

Use the TrafficCloud Mobile app for Android

» Configure the InstAlert locally using the **TrafficCloud Mobile app** for Android over a Bluetooth connection.

Use TrafficCloud Sign Manager

» Configure the InstAlert locally using **TrafficCloud Sign Manager for Windows** over the included USB connection or optional Bluetooth.

 **NOTE:** Before attempting a Bluetooth connection, make sure the option was purchased for your equipment.

To set up the InstAlert using the onboard buttons:

In addition to the **Power** button, you can use the onboard sign buttons to set the **Display Mode** for your sign. For details about sign modes, see *InstAlert Display Modes* on the next page.

- A. Verify or set the display mode on the InstAlert. The default is **Single Message Mode** for message-enabled signs
- B. Select the **Sign Mode** and **Settings** using the two selector buttons on the back of the sign:
 - i. **Sign Mode:** The default sign mode is **Single Message**. Press the bottom button to select a different mode.
 - ii. **Settings:** Press the top button to scroll through settings applicable to the selected mode.



 **NOTE:** To reduce the risk of tampering, the buttons deactivate five minutes after you power on the sign. To reactivate them, restart the InstAlert by disconnecting and reconnecting the power supply.

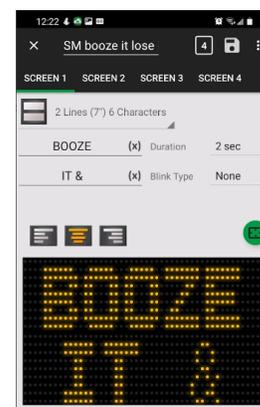
To connect to the sign using the TrafficCloud Mobile app for Android:

Using the TrafficCloud Mobile app you can control a wide range of tasks, such as downloading traffic data, setting the speed limit and display mode, creating Sites, message display, and checking battery power.

Note: If you purchased an Android tablet from us, the TrafficCloud Mobile app is pre-installed. If you have your own Android device, you can purchase a TrafficCloud Mobile perpetual license from ATS and then download the TrafficCloud Mobile app from the [Google Play Store](https://play.google.com/store/apps/details?id=com.alltrafficsolutions.trafficcloud).

To connect using the app:

- A. Sign on to the **TrafficCloud Mobile app** on your Android device using your TrafficCloud credentials.
- B. Scan for your InstAlert. You can connect to any ATS device registered to your account and within Bluetooth range. Only one connection is permitted at a time.
- C. Use the Bluetooth pairing code "ATS" to connect to your InstAlert.



To connect to the sign using TrafficCloud Sign Manager for Windows:

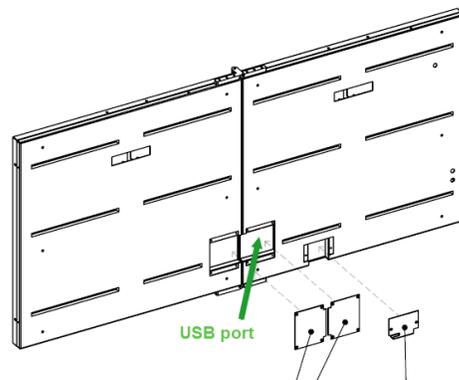
- A. First, for **TrafficCloud Sign Manager for Windows** installation details, please see the *TrafficCloud Start-Up Instructions* included with your shipment and available from our Customer Support page at <https://www.alltrafficsolutions.com/support/>. For details about using TrafficCloud Sign Manager for Windows, in the application, click **Help > Software User's Manual**.

B. Do one of the following:

- **USB:** Plug the supplied USB-A-to-mini-B cable into the back of the sign and then into your computer. The mini-B port is located inside the back of the sign (as shown at right), OR

If you're connecting from an ATS trailer, connect the supplied USB cable inside the trailer battery box to your laptop computer, OR

- **Bluetooth:** Connect to the InstAlert over the optional Bluetooth connection (use pairing code "ATS"). Once the device is paired, run TrafficCloud Sign Manager and select Bluetooth under the **Connection** menu.



InstAlert display modes

Here is a summary of InstAlert display modes:



Display Mode	What you can do
SINGLE MESSAGE	Single Message: Select from the messages saved in the sign to display.
ALL MESSAGES SCROLL	All Messages: Display all of the messages saved in the sign, in sequence.
DEPENDENT MESSAGE	Dependent Messages: Can be used as a timer, to display different messages based on the value of the internal timer. Often used for New Year's countdowns or public information. The timer is controlled with TrafficCloud Sign Manager.
NO DISPLAY (STEALTH)	Display Off: Turn off the display but the sign is still active and gathering sign status. Also, referred to as "stealth mode".
SPEED LIMIT SIGN	Speed Limit Sign: Set the Speed Limit to display.

Contacting Customer Support

For support for your All Traffic Solutions products,

- visit the Customer Support page at <https://www.alltrafficsolutions.com/support/>,
- send email to support@alltrafficsolutions.com, or
- call 1-866-366-6602, Option 2, anytime between 8:00 a.m. and 6:00 p.m. Eastern Time, Monday to Friday.



Technical documentation and training

To view technical documentation, please click the Help icon [?](#) at the top right of the TrafficCloud Web page.

For online training resources, please click or scan the QR code at right to visit our **TrafficCloud Training Videos Hub**. To discuss additional TrafficCloud training options, please contact Customer Support.



ATS PRODUCT WARRANTIES

All Traffic Solutions (ATS) is committed to providing the best value in all our products. To underscore this ongoing commitment, all ATS-manufactured signs purchased on or after January 1, 2019, come standard with a 3-year manufacturer’s warranty. Products eligible for the 3-year manufacturer’s warranty are Shield 12 and Shield 15 radar speed signs, SpeedAlert 18 and SpeedAlert 24 radar message displays and InstAlert 18 and InstAlert 24 variable message signs.

We also offer the ATS Premier Care Plan with your current ATS TraffiCloud® Remote Management Software subscription.

WARRANTY COMPARISON

ATS Premier Care Plan & ATS 3-Year Manufacturer’s Warranty

All sign batteries are discounted under the Premier Care Plan. All accessories are discounted under Premier Care except:

- Trailer-related items
- Laptops and tablets
- Solar panels
- Carrying cases

Feature	Premier Care Plan	ATS 3-Year Manufacturer’s Warranty
Hardware defect repair	Entire product lifespan, provided the product has an active Premiere Care subscription	Three years from the date of delivery
Dedicated Customer Support Center	Comprehensive hardware and software troubleshooting support	Troubleshooting to determine hardware defects
Remote diagnostics by ATS Support Team	Remote access to signs for performing comprehensive hardware and software diagnostics	Not included
Software and firmware updates	Included	Not included
Shipping to and from ATS repair center <i>(manufacturer defect repairs only)</i>	No charge	No charge
Shipping to and from ATS repair center (non-manufacturer defect repair)	Customer pays shipping	Customer pays shipping
Damage resulting from misuse, abuse, or using the product in ways it was not intended	Covered at 50% of standard ATS repair rates	Standard ATS repair charges apply
Vandalism	Covered at 50% of standard ATS repair rates	Standard ATS repair charges apply
Battery and accessory discounts	50% off the regular price	No discounts
LFP battery replacement	1 year + 50% off additional or replacement batteries	1 year
SLA battery replacement	1 year + 50% off additional or replacement batteries	3 months
Trailer battery	1 year	6 months
Power case batteries <i>(Must be sent back to ATS for repair)</i>	1 year + 50% off replacement batteries	6 months
Accidents	Covered at 50% of standard ATS repair rates	Standard ATS repair charges apply
Damage due to incorrect installation or operation	Covered at 50% of standard ATS repair rates	Standard ATS repair charges apply
Acts of nature	Covered at 50% of standard ATS repair rates	Standard ATS repair charges apply
Normal wear and tear such as frayed cords or cables, broken connectors, scratched or broken enclosures	Covered at 50% of standard ATS repair rates	Standard ATS repair charges apply

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