SpeedAlert 24 Quick Start Guide

ALL TRAFFIC SOLUTIONS®

Thank you for purchasing an **All Traffic Solutions SpeedAlert 24 Radar 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 SpeedAlert to the roadside.

Step 1 Choosing a site, below

At the roadside

Step 2: Configuring the SpeedAlert locally, on the next page

Note: For trailer setup details, please see your trailer quick start guide.

Scan or click the QR code for an ATS 5 Trailer and sign installation video >>>

SCAN ME

Step 1 Choosing a site

Next, you'll need to set up a site for your SpeedAlert so that you can collect and store traffic data and generate reports. Here are the basic steps and options you'll need to perform:

A. **Select a street location**: Identify your planned traffic study site to start collecting traffic data so that you can create reports. 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 next 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 SpeedAlert will vary with your requirements, however you should generally adhere to the following guidelines:

Guideline	What to do
Choose the distance from intersections	Place the SpeedAlert at least 300 ft. (90 m) away from any intersection (avoid locations near stop signs or traffic lights).
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 SpeedAlert to the vehicles being counted 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 SpeedAlert 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 SpeedAlert within 12 ft. (3.7 m) of the roadway.
Set the mounting height	Attach the SpeedAlert 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 SpeedAlert 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 SpeedAlert on a stable and firm structure. Avoid structures that are likely to be affected by wind or rain.

Step 2: Configuring the SpeedAlert 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 SpeedAlert on the TraffiCloud Web portal, creating a data collection site, setting the sign display options, creating messages, setting up alerts, and assigning a Site. It's best to perform sign setup in advance, so that your traffic data is captured in TraffiCloud immediately. 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 SpeedAlert configuration locally, either at your office or after the sign is mounted at the roadside. You can do any of following:

Use the SpeedAlert onboard buttons

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

Use the TraffiCloud Mobile app for Android

» Configure the SpeedAlert locally using the **TraffiCloud Mobile app** for Android over a Bluetooth connection.

Use TraffiCloud Sign Manager

» Configure the SpeedAlert locally using **TraffiCloud 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 SpeedAlert using the onboard buttons:

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

A. Verify or set the display mode on the SpeedAlert. 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.
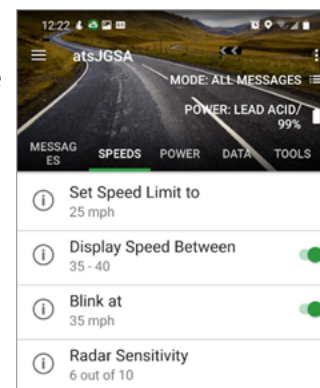
> **NOTE:** To reduce the risk of tampering, the buttons deactivate five minutes after you power on the sign. To reactivate them, restart the SpeedAlert by turning the power switch in the trailer battery box on and off.

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

Using the TraffiCloud 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 TraffiCloud Mobile app is pre-installed. If you have your own Android device, you can purchase a TraffiCloud Mobile perpetual license from ATS and then download the TraffiCloud Mobile app from the Google Play Store.

To connect using the app:

A. Sign on to the **TraffiCloud Mobile app** on your Android device using your TraffiCloud credentials.

B. Scan for your SpeedAlert. 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 SpeedAlert.

To connect to the sign using TraffiCloud Sign Manager for Windows:
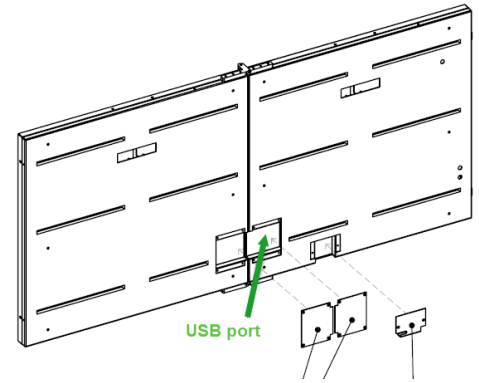
A. First, for **TraffiCloud Sign Manager for Windows** installation details, please see the *TraffiCloud Start-Up Instructions* included with your shipment and available from our Customer Support page at https://www.alltrafficsolutions.com/support/. For details about using TraffiCloud Sign Manager for 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 SpeedAlert over the optional Bluetooth connection (use pairing code "ATS"). Once the device is paired, run TraffiCloud Sign Manager and select Bluetooth under the **Connection** menu.

USB port

SpeedAlert display modes

Here is a summary of SpeedAlert display modes:

Single Message Mode | All Messages Mode | Dependent Message Mode | Your Speed Display Mode | No Display (Stealth) Mode | Speed Limit Sign Mode

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**: Display a series of messages, with the content depending on how fast the approaching vehicle is traveling.
YOUR SPEED DISPLAY	**Speed Display (Radar signs only)**: Display the speeds of the approaching vehicle.
NO DISPLAY (STEALTH)	**Display Off**: Turn off the display but the sign is still active and gathering traffic and other data. 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 TraffiCloud Web page.

For online training resources, please click or scan the QR code at right to visit our **TraffiCloud Training Videos Hub**. To discuss additional TraffiCloud 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 *(manufacturer defect repairs only)*	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 *(Must be sent back to ATS for repair)*	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