

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.



[Figure 1] InstAlert 24 with portable post and PowerCase

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:

- A. Extend all four telescoping legs.
- B. Push on the leg locks and lower each leg until the lock clicks back into place.
- C. Unfold the stand by removing the wire-lock pin.

- D. Raise the upper post of the stand and replace the wire-lock pin.
- E. Level the stand and stabilize it with sandbags if windy.

ATS 5 or ALPR Camera-Ready Trailers



NOTE: If your purchase includes the ATS 5 or ALPR Camera-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 2] below) to open the locking plates ([Figure 3] below) on top of the bracket, and rotate the locking plates up.



[Figure 2] Spring-loaded retaining pin



[Figure 3] Locking plate

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

Step 4: Mounting the InstAlert

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

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



Step 5: Configuring the InstAlert locally

If you have a TrafficCloud subscription, you can skip this step, and instead configure the InstAlert online, setting the sign display options, creating messages, and setting up alerts. See the *Getting Started with TrafficCloud* guide for your sign.

If you don't have a TrafficCloud 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.

Use the InstAlert mode buttons

- » You can configure the InstAlert using the **Sign Mode** and **Settings** buttons.

Use the TrafficCloud Mobile app for Android

- » You can configure the InstAlert locally using the **TrafficCloud Mobile app** for Android over a Bluetooth connection.

Use TrafficCloud Sign Manager

- » You can also 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 power up the InstAlert:

- » Power up the InstAlert by plugging the power cord into the outlet on the PowerCase.

The InstAlert will go through start-up and self-check sequences. Once the self-check is complete, the sign is fully operational.

To set up the InstAlert using the onboard buttons:

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



For details about sign modes, see "InstAlert Display Modes" on the next page.



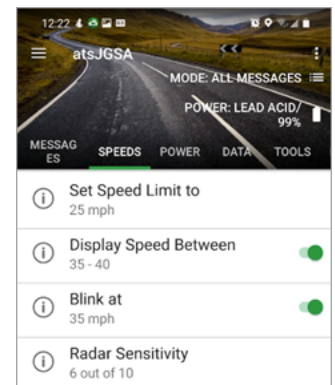
NOTE: To reduce the risk of tampering, the buttons deactivate five minutes after you power on the sign. To reactivate them, restart the InstAlert by disconnecting and reconnecting the power supply.

To configure the InstAlert using the TrafficCloud Mobile app for Android:

If you purchased an Android tablet from us, the TrafficCloud Mobile app has been pre-installed. If you have your own Android device, you can purchase a TrafficCloud Mobile perpetual license from ATS and then download the app from the [Google Play Store](#). Using the 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.

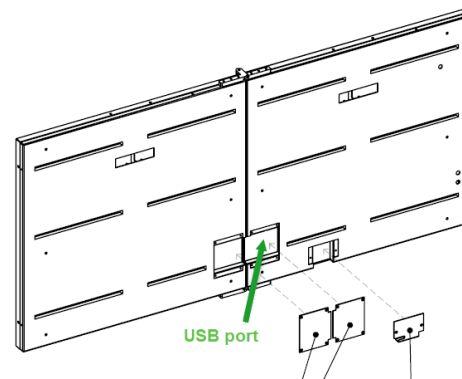
To connect with the app, do the following:

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



To configure the InstAlert 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 Technical 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. Then, do one of the following:
- 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
 - 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 the InstAlert Display Modes:



Display Mode	Description
SINGLE MESSAGE	Single Message mode: Selects from the messages saved in the sign to display.
ALL MESSAGES SCROLL	All Messages mode: Displays all of the messages saved in the sign, in sequence.
DEPENDENT MESSAGE	Dependent Messages mode: 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 casual race information. The timer is controlled with TrafficCloud Sign Manager.
NO DISPLAY (STEALTH)	Display Off mode: Turns off but the display but the sign is still active and gathering sign status. Also, referred to as "stealth mode".
SPEED LIMIT SIGN	Speed Limit Sign mode: Sets the Speed Limit to display.

Contacting Technical Customer Support

For support for your All Traffic Solutions products,

- » visit the Technical 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

If you have a TrafficCloud subscription, please visit our **ATS Start-Up Guides** page at <https://www.alltrafficsolutions.com/get-started/> for links to the most recent versions of our technical documentation, including the *Getting Started with TrafficCloud* series. If you don't have a subscription, please visit the Technical Customer Support page.

Please contact Technical Customer Support to discuss your TrafficCloud training options. For online training resources, please visit our **TrafficCloud Training Videos Hub** at <https://flow.alltrafficsolutions.com/hub-training-video-trafficcloud-0-0-0-0>.

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