



SR-12 and SR-18 Install Guide

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Radar System Check

Turn the key switch to the ON position and wait 10 seconds for the unit to power on. We ship the radar with the minimum speed of 1 mph for easy testing upon arrival. Wave your hand towards the face of the radar. You should see your unit's LEDs light up, showing your radar is functioning.

Software Downloads

The SR-12 and SR-18 have two types of applications that the user can use to interact with the radar. The first is the Android app that can be used on any Android device. The second is a Windows app that can be applied to any Windows 10 or higher PC. We provide these downloads from our Spider Oak online database.

<http://bit.ly/SA-SOresources>

Password is **solar**

On your computer go to Products/Radar Signs/Software/Windows and download the Kestrel app onto your computer.

If you wish to use an Android, it is recommended to download the APK file to computer and then transfer it to your device.

Connecting to the Radar

The SR series have multiple ways of connecting to your desired controller. Bluetooth is the primary connection. This works with both computers and Android devices. Have your radar turned on and go to your controller's Bluetooth setting and select your radar's name. The PIN for the radar is **1948**.

You can also connect via USB; however, this will only work for a computer. Once paired or plugged in, open the Kestrel app on your controller and select the radar's name under devices.

*Note (If you do not see your radar's name appear in the Kestrel app, close the app and make sure you are paired and then open Kestrel app. This order does matter.)

Configuration of the Sign Display

In the Kestrel Workbench app double click on your radar under devices. There are two main sections that we will be working with. Configuration and Properties.

Configuration is where you set your speed limit settings. The General Settings Group drop-down menu is how you interact with and change various settings on your SR series.

▼ General Settings Group	
Speed Units	MPH
Minimum Display Speed	30
Maximum Display Speed	50
Speed Limit	50
Display Flash Rate	0.33 second(s)
Digits/Slow Down Hold Timer	3.30 second(s)
Display Refresh Rate	0.33 second(s)

This menu is used to change the output of the radar LEDs. For example, if you wanted to only display speeds in the range of 30-50 mph, the General Settings Group drop-down menu is where you would change the Minimum Display Speed to 30 and the Maximum Display Speed to 50.

*Note (It is recommended to dial in your speed limitations. If your radar speed limit is set too low, then it would register a larger number of vehicles and drain your radar's battery faster. If your speed limit is set too high, it may incentivize drivers to see how fast they can go.)

Properties is where you can change the name or the PIN of your radar. Simply change the name and PIN using the fields and be sure to click update when finished for your changes to take effect.

Name:	<input type="text" value="K2 Pico Radar (203036539434D500F00540025)"/>
PIN:	<input type="text" value="0000"/>
	<input type="button" value="Update"/>

Mounting to the Post

Install your solar panel first. Your solar panel should be facing south and not obstructed by sunlight. Have your black MC4 connectors uncoiled to make sure you have enough slack for to radar to reach.

Afterwards, mount your SR series facing the direction you wish to display. We recommend mounting our radars to a 2" square post; but we also provide hardware for: 1 3/4" square post, u-channel, and 2" round post.

Once mounted connect the MC4 connectors together, turn the radar on via the key switch, and finally store the keys in a secure area to turn off the radar in the future if needed.