

Hello everyone and thank you for attending tonight's webinar!

My name is Jeff Zide, and I have been with Automotive Test Solutions for the past 7 years.

I am originally from Massachusetts and have been in New Mexico for 21 years now.

Trivia: I received my first certificate from Automotive Service Excellence (ASE) the year they first started, what year was that?

I was standing on Plymouth Rock when the Pilgrims first arrived or at least sometimes I feel that old.

That said, I am the Technical Support Manager at ATS and as such, handle a lot of support calls.

More and more of the support calls over the past year have to do with computer issues perceived to be product related.

- On this webinar, I will be covering Microsoft updates affecting your Bluetooth diagnostic devices including the ATS eSCAN ELITE.
- The push by Microsoft to target a younger audience by installing (regardless of if you want it or not) Co-Pilot and Xbox Game System.
- Windows Power Settings affecting your daily routine
- Setting to "Control" when Windows updates get installed
- ATS Product Enhancements
- Demo of ATS eSCOPE ELITE Ignition Analyzer
 - Viewing Port Injectors in the Ignition Analyzer
- ESCOPE ELITE – Dual Scope and Stacked Scope - Understanding Upper and Lower Display Vertical Scaling values
 - How to determine starting values
- What is that Annotation Tool I am using and how to get it for FREE!
- Updates to Microsoft Surface Pro Tablet
 - The latest release is Surface Pro 10 for Business
- Review of some interesting support calls

I am going to begin with Microsoft update issues and their effect on Bluetooth connectivity issues including the eSCAN ELITE but not limited to our products. As you know, you can be connected, working fine and must take care of something and when you come back, you can no longer connect.

These updates affect all of us, whether it be the ESCAN just does connect anymore to updated being installed and rebooting our computers in the middle of a diagnosis.

I cannot think of a single update that improved your ability to run your business, quite the opposite.

Let's look at some Bluetooth Connectivity issues and then what we do to minimize them.

This mostly affects Windows 11 but I have seen them in Windows 10 as well.

How do I know what version I am on?

Click the Search Icon on the lower left of your taskbar



Troubleshooting eSCAN Bluetooth Connectivity Issues

The computer must be no more than 10 feet away from the DLC port with the vehicle key on or the engine running. Bluetooth will not connect through walls or garage doors.

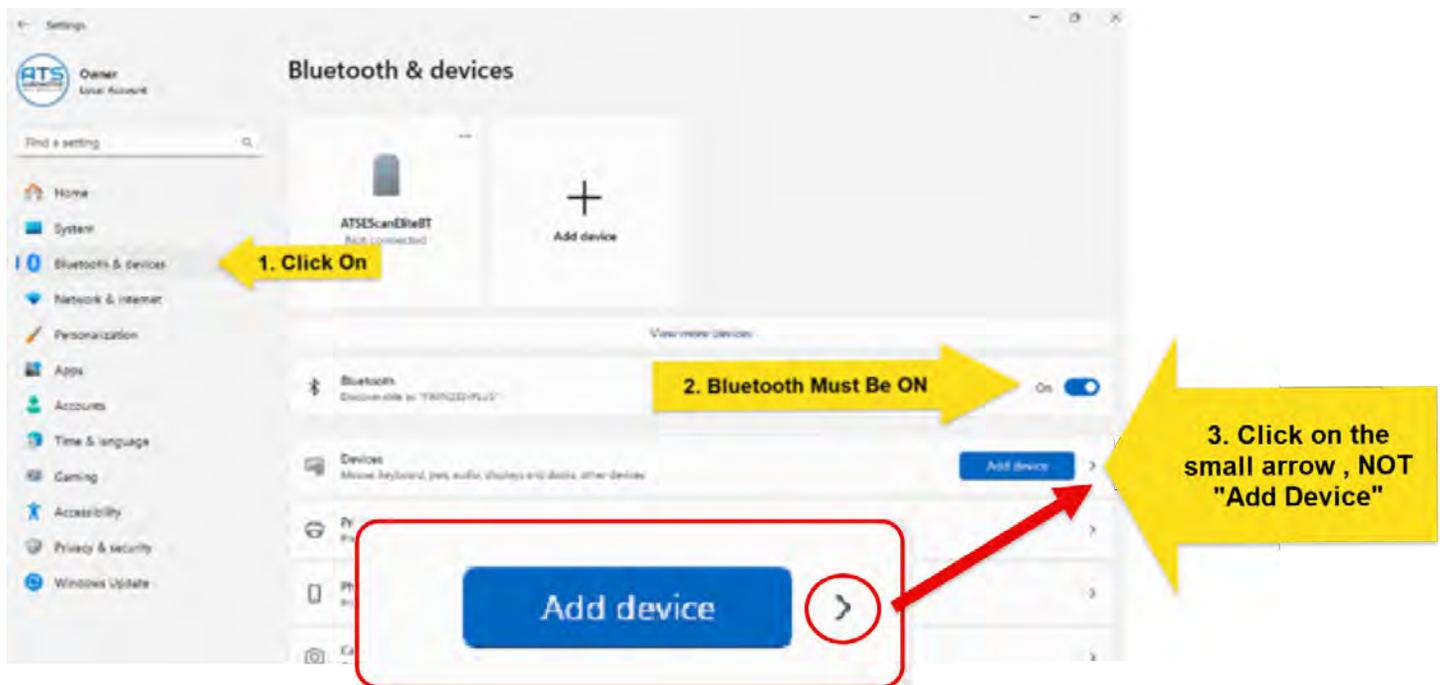
Windows 11

Microsoft Windows updated Bluetooth discovery where the “standard” settings will not detect anything but printers.

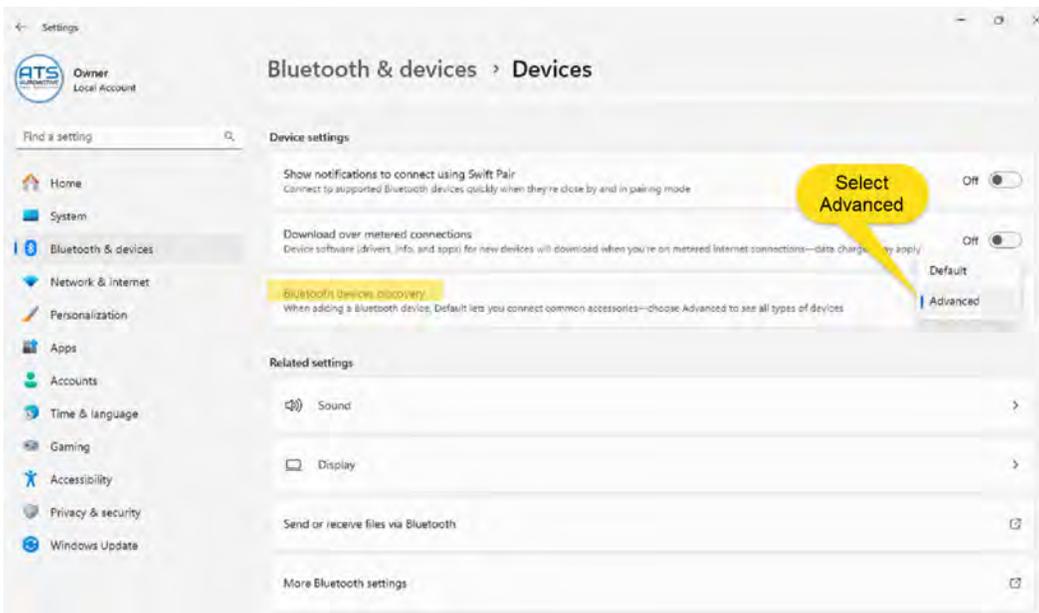
To correct this issue,

1 Open **Settings** (Win+I).

2 Click/tap on **Bluetooth & devices** on the left side, and click/tap on **Devices** on the right side. (see screenshot below)

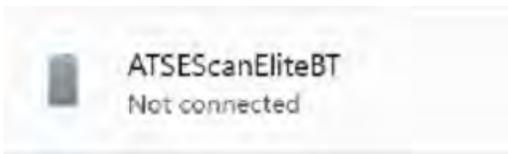


3 Under **Device settings**, select **Advanced** in the **Bluetooth devices discovery** drop menu for what you want. (see screenshot below)



The system should now discover the eSCAN ELITE.

Note: When the eSCAN ELITE is discovered, it will show as Not Connected until the eSCAN Software is opened.



[Video Demo of a Missing VIN](#)

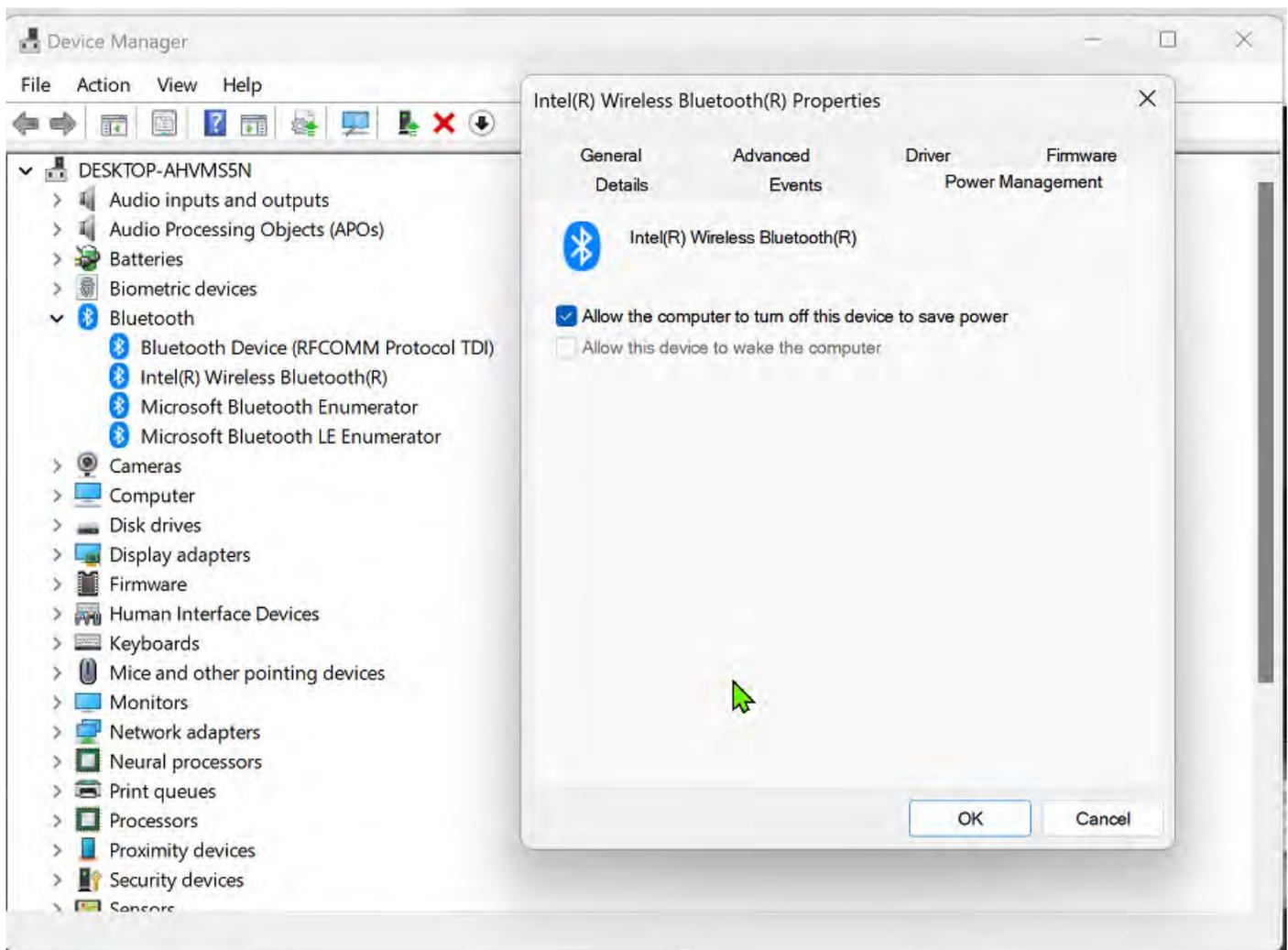
Power issues

You walk away from the computer and Bluetooth has disconnected and will not connect again.

Microsoft is worried about battery issues, so they shut off power to Bluetooth when idle to save power.

Right click with a mouse or press on the Windows logo and release.

Go to Device Manager, right click on your Bluetooth radio, go to the Power Management tab and uncheck "Allow the computer to turn off this device to save power."



Speaking of Battery Issues

All laptop and tablet manufacturers are concerned about batter life and by default, set power setting to shut off your display and hard drive at very short intervals.

By default, your screen will shut off and you computer will go to sleep between 3 and 5 minutes.

Right click or press and release the battery icon and choose Power and sleep settings.



System > Power & battery

100% 

Battery levels

[View detailed info](#)



Energy recommendations

Lower your carbon footprint by applying these recommendations

5 of 9



Power



Screen and sleep



On battery power, turn off my screen after

3 minutes 

When plugged in, turn off my screen after

5 minutes 

On battery power, put my device to sleep after

3 minutes 

When plugged in, put my device to sleep after

5 minutes 

Change the settings as follows:



Screen and sleep



On battery power, turn off my screen after

45 minutes 

When plugged in, turn off my screen after

Never 

On battery power, put my device to sleep after

45 minutes 

When plugged in, put my device to sleep after

Never 

The big push from Microsoft as of late is Co-Pilot

Microsoft Copilot is a versatile AI companion designed to assist, support, and engage users in various ways. I can help you find information, provide creative ideas, offer advice, and even just chat for fun.

Whether you're looking for answers to specific questions, brainstorming new projects, or seeking a bit of entertainment, I'm here to make your experience enjoyable and informative.

For the teenager this may be a fun addition to not having to think, but in a business environment it takes up computing power, disk space and more important affect Bluetooth by automatically seeking out and pairing (without your permission) audio devices such as ear pods.

The problem comes to the forefront because the maximum number of Bluetooth devices that can be paired and still perform reasonably is seven, I have seen over 14 devices paired and ear pods are given a higher priority than any other device. There is no warning that you have exceeded the maximum number of seven because you have no choice in the matter.

When I login to trouble shoot, as I start to delete/unpair devices the eSCAN will connect once again.

Let's minimize the risk.

Bluetooth & other devices

+ Add Bluetooth or other device

Bluetooth

On

Now discoverable as "DESKTOP-2QER3NG"

Mouse, keyboard, & pen

2.4G Receiver

YubiKey OTP+FIDO+CCID

Audio

ASUS VS239

Speakers (Realtek High Definition Audio)



Related settings

[Devices and printers](#)

[Sound settings](#)

[Display settings](#)

[More Bluetooth options](#)

[Send or receive files via Bluetooth](#)

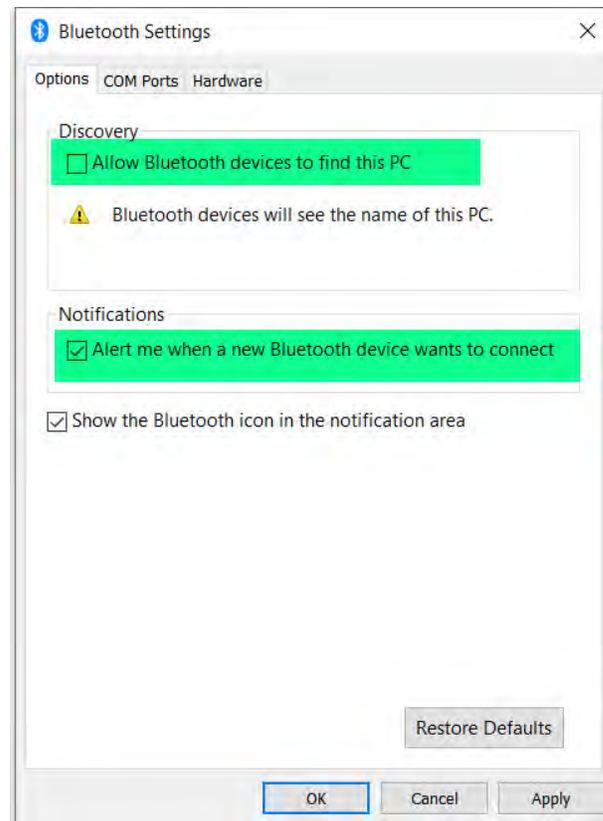
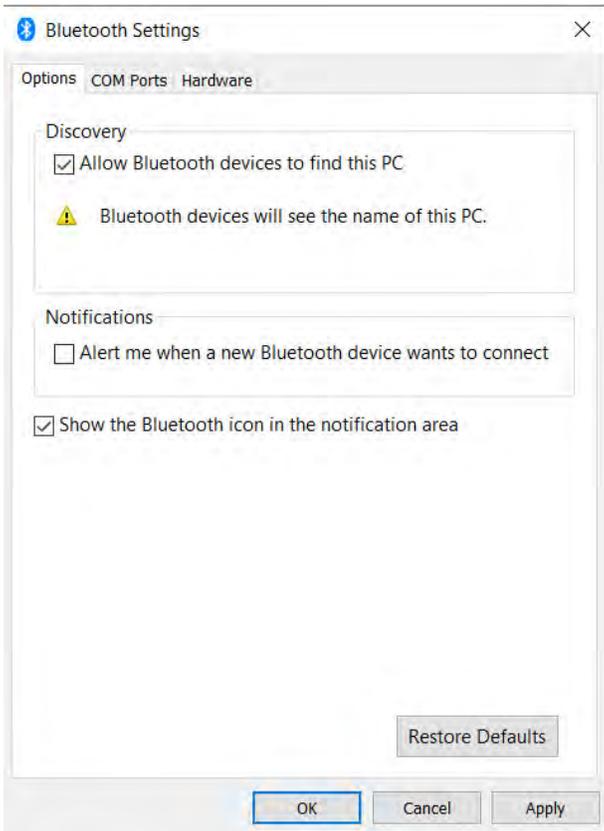
Help from the web

[Reinstalling Bluetooth drivers](#)

[Receiving files over bluetooth](#)

[Fixing Bluetooth connections](#)

[Sending files over Bluetooth](#)



Windows Update



You're up to date

Last checked: Today, 3:34 PM

Check for updates

[View optional updates](#)



Get the latest updates as soon as they're available

Be among the first to get the latest non-security updates, fixes, and improvements as they roll out. [Learn more](#)



Off



Pause updates for 7 days

Visit [Advanced options](#) to change the pause period



Change active hours

Currently 7:00 AM to 4:00 PM



View update history

See updates installed on your device



Advanced options

Additional update controls and settings

← Settings

Advanced options

Update options

Receive updates for other Microsoft products when you update Windows

On

Download updates over metered connections (extra charges may apply)

Off

Restart this device as soon as possible when a restart is required to install an update. Windows will display a notice before the restart, and the device must be on and plugged in.

Off

Update notifications

Show a notification when your PC requires a restart to finish updating

On

Pause updates

Temporarily pause updates from being installed on this device for up to 35 days. When you reach the pause limit, your device will need to get new updates before you can pause again.

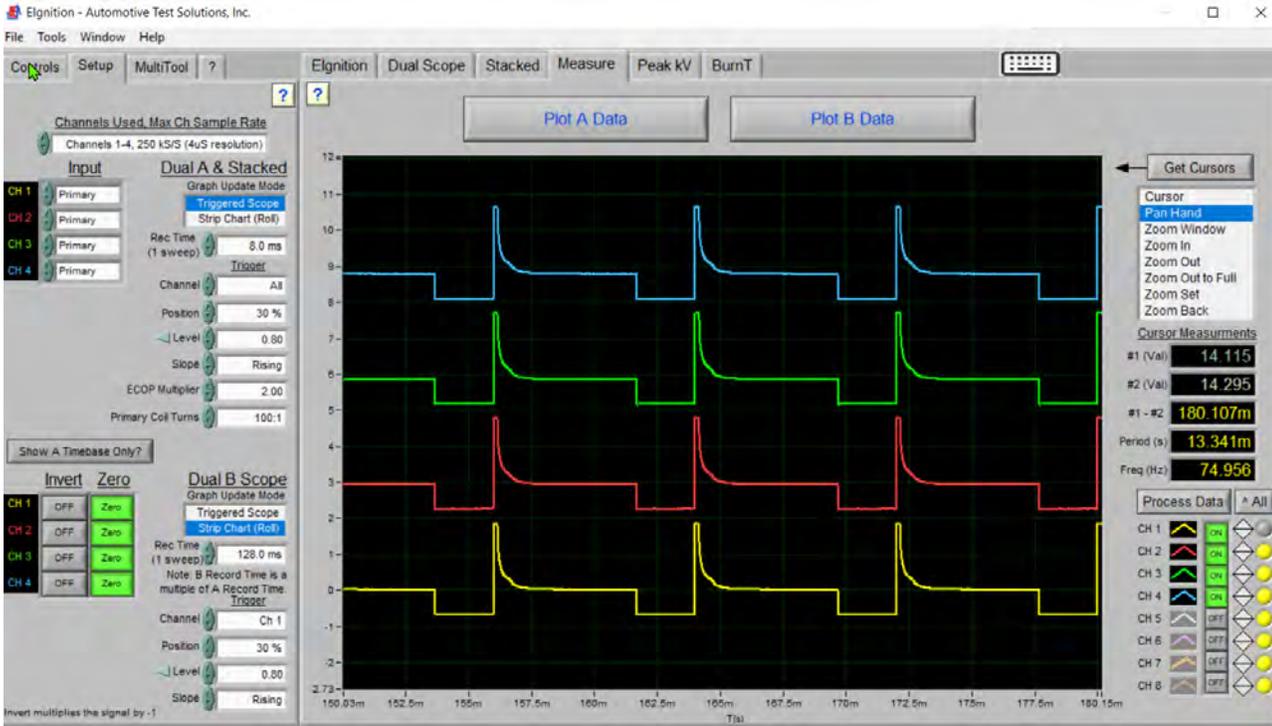
Pause until

Select date ▾

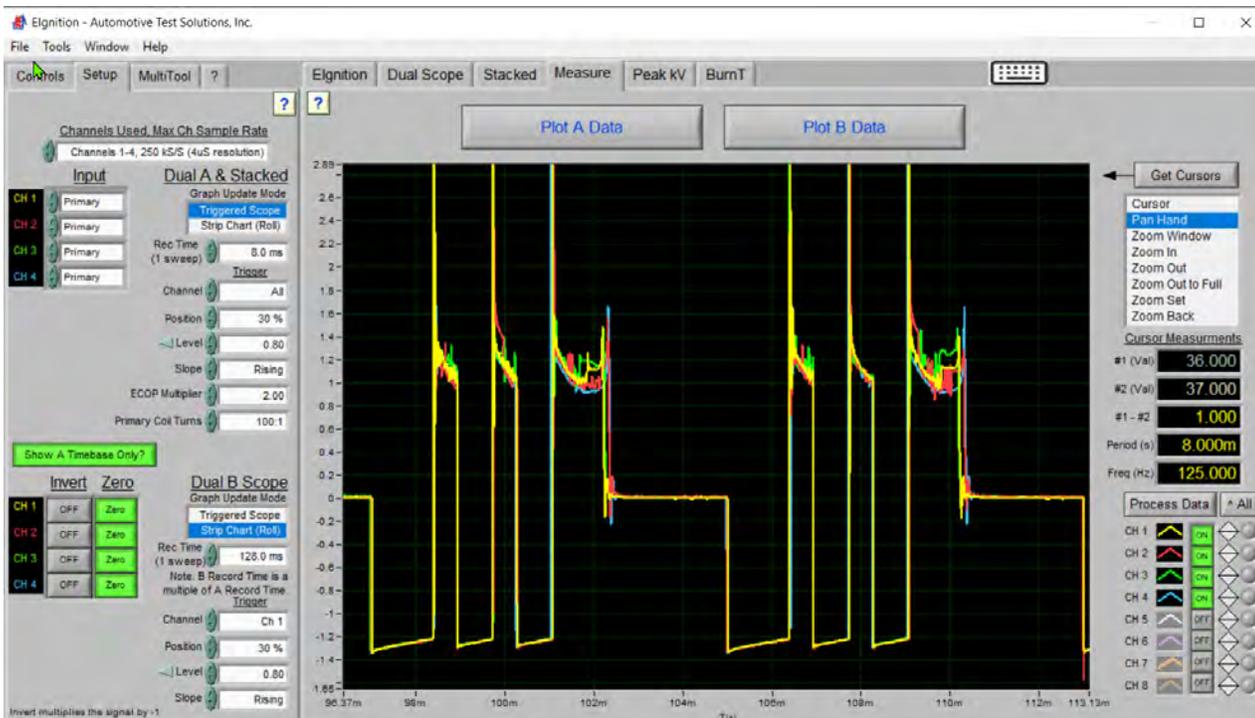
eIGNITION ANALYZER not just a picture



Port Injectors Captured with the ATS Ignition Analyzer

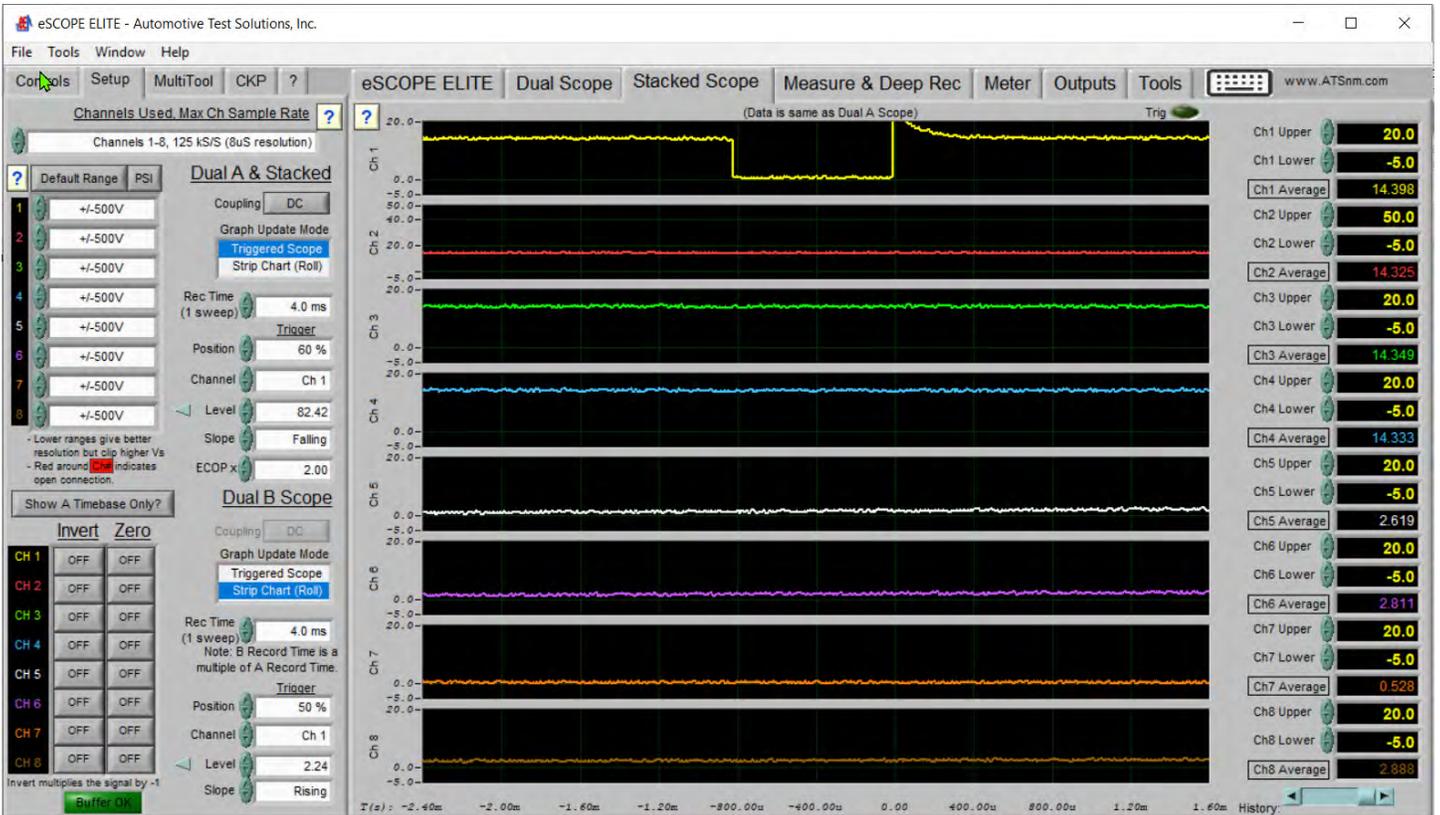
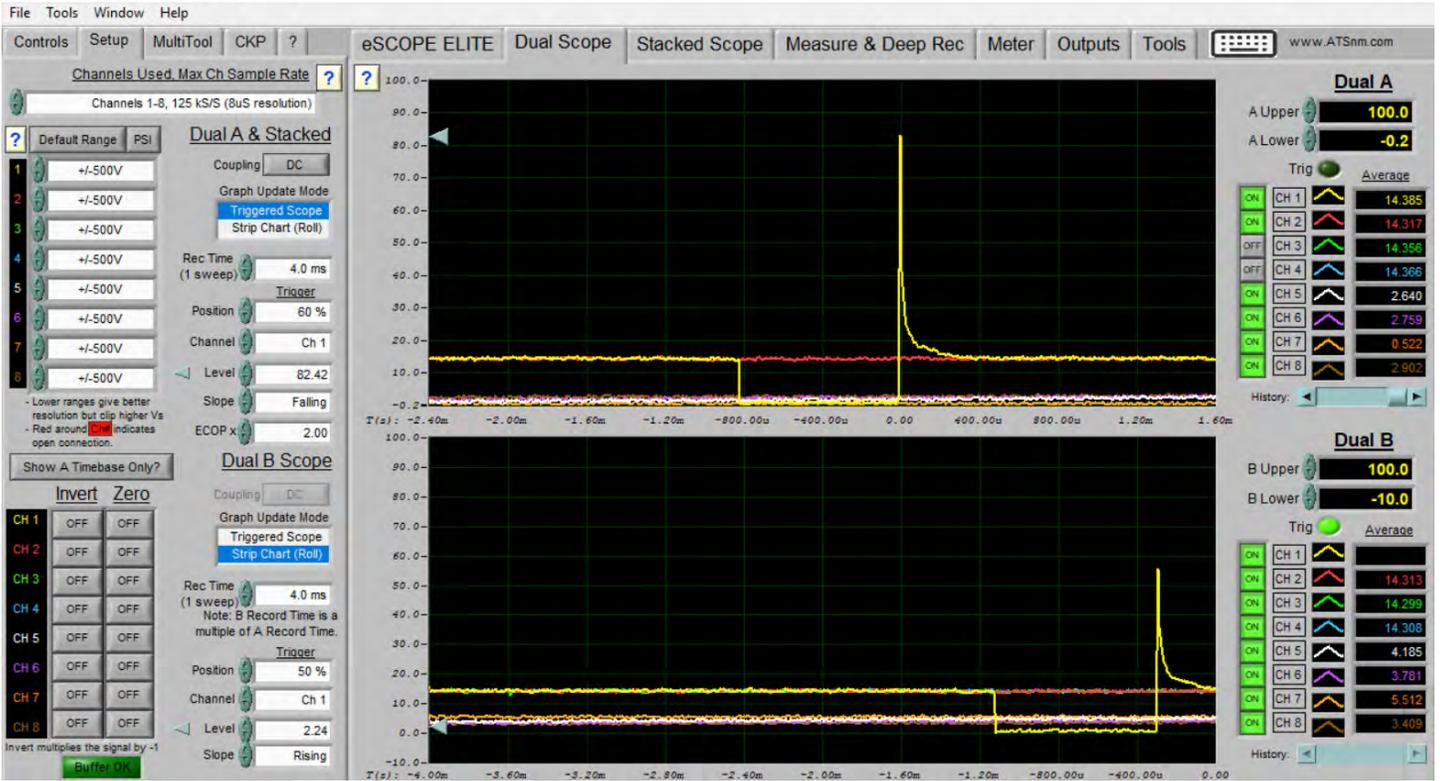


Multi Strike Coils Captured with the ATS Ignition Analyzer



Dual Scope and Stacked Scope

eSCOPE ELITE - Automotive Test Solutions, Inc.



Free Annotation Tool From Microsoft

<https://download.sysinternals.com/files/ZoomIt.zip>

Learn / Sysinternals /

ZoomIt v9.0

Article • 01/29/2025 • 10 contributors

In this article

- [Introduction](#)
- [Using ZoomIt](#)

By **Mark Russinovich**

Published: December 16, 2024

 [Download ZoomIt](#) (1.4 MB)

[Run now from Sysinternals Live](#)

[Download from Microsoft PowerToys \(GitHub\)](#)

Function

Zoom Mode

Zoom In

Zoom Out

Start Drawing (While In Zoom Mode)

Stop Drawing (While In Zoom Mode)

Start Drawing (While Not In Zoom Mode)

Shortcut

Ctrl + 1

Mouse Scroll Up or Up Arrow

Mouse Scroll Down or Down Arrow

Left-Click

Right-Click

Ctrl + 2

Function	Shortcut
Increase/Decrease Line And Cursor Size (Drawing Mode)	Ctrl + Mouse Scroll Up/Down or Arrow Keys
Center The Cursor (Drawing Mode)	Space Bar
Whiteboard (Drawing Mode)	W
Blackboard (Drawing Mode)	K
Type in Text (Left Aligned)	T
Type in Text (Right Aligned)	Shift + T
Increase/Decrease Font Size (Typing Mode)	Ctrl + Mouse Scroll Up/Down or Arrow Keys
Red Pen	R
Red Highlight Pen	Shift + R
Green Pen	G
Green Highlight Pen	Shift + G
Blue Pen	B
Blue Highlight Pen	Shift + B
Yellow Pen	Y
Yellow Highlight Pen	Shift + Y
Orange Pen	O
Orange Highlight Pen	Shift + O
Pink Pen	P
Pink Highlight Pen	Shift + P
Blur Pen	X
Draw a Straight Line	Hold Shift
Draw a Rectangle	Hold Ctrl
Draw an Ellipse	Hold Tab
Draw an Arrow	Hold Ctrl + Shift

Function	Shortcut
Erase Last Drawing	Ctrl + Z
Erase All Drawings	E
Copy Screenshot to Clipboard	Ctrl + C
Crop Screenshot to Clipboard	Ctrl + Shift + C
Save Screenshot as PNG	Ctrl + S
Save Cropped Screenshot to a File	Ctrl + Shift + S
Copy a Region of The Screen To Clipboard	Ctrl + 6
Save a Region of The Screen To a File	Ctrl + Shift + 6
Start/Stop Full Screen Recording Saved as MP4 (Windows 10 May 2019 Update And Higher)	Ctrl + 5
Crop Screen Recording Saved as MP4 (Windows 10 May 2019 Update And Higher)	Ctrl + Shift + 5
Screen Record Only The Window That The Mouse Cursor is Positioned Over Saved as MP4 (Windows 10 May 2019 Update And Higher)	Ctrl + Alt + 5
Show Countdown Timer	Ctrl + 3
Increase/Decrease Time	Ctrl + Mouse Scroll Up/Down or Arrow Keys
Minimize Timer (Without Pausing It)	Alt + Tab
Show Timer When Minimized	Left-Click On The ZoomIt Icon
LiveZoom Mode	Ctrl + 4
LiveDraw Mode	Ctrl + Shift + 4
Start DemoType	Ctrl + 7
Move back to the previous snippet (DemoType)	Ctrl + Shift + 7
Advance to the next snippet (DemoType User-driven Mode)	Space Bar
Exit	Esc or Right-Click