Allegro CX – Connect Bluetooth Instrument

With default settings, the Allegro CX should already be configured with the Bluetooth radio turned on and set to use COM 6. (*Tested on Allegro CX Color with integrated Bluetooth.*)

Turn on your Bluetooth Transmitter (Allegro)

Press the Blue then Start buttons on your keypad to bring up the start menu then click on the Bluetooth Icon in the system tray near the clock to bring up the Bluetooth menu.

Click "Turn Transmitter ON" if you see that. (If it says "Turn Transmitter OFF" then it is already turned on, do not turn it off.)

In the Bluetooth menu, click on Advanced Features, then My Bluetooth Device.





On the General tab, just leave the default settings. It doesn't matter what options are checked since the connection will be initiated by the Allegro, not by the instrument.

Device Manager OK ×	
General COM Ports Object Sharing	
🛞 My Bluetooth	
Friendly Name: AllegroCX_18849	
Bluetooth Address: 00.0e.6d.0a.4d.7f	
Discoverable Connectable	
Use Authentication 🗌 Use Encryption	
Firmware: 5.25	
🐉 Start 🖳 🛃 🐌 🔞 😂 9:35 AM	1

On the COM Ports tab, ensure that Bluetooth COM Port is checked and note which COM Port it is using (COM 6 in this example). It doesn't matter if anything else is checked on or not.

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General COM Ports	Object Sharing	
You can enable, disable, and check the assignments of the Bluetooth COM ports here.	Bluetooth Phone Bluetooth Printer Bluetooth LAP Bluetooth Desktop Bluetooth FAX Bluetooth COM Port COM6: Bluetooth COM #2	
🂦 Start	🖳 🛃 😢 🗓 🕾 9:37 AM	0
Device Manager	ок ×	
General COM Ports	Object Sharing	
Gobject	Sharing	
Assign the folder to access your files.	use when you allow others to	
My shared folder:		
y Documents\Bluet	ooth Shared Folder	
🌄 Start	💾 📆 🚯 🔞 😂 9:38 AM	

On the Object Sharing tab, just leave the default setting. It doesn't matter what folder is shared.

Click OK to close the Bluetooth settings.

Turn on your Bluetooth Transmitter (Instrument)

Ensure that your total station or GPS receiver has also been configured to use a Bluetooth connection. Please refer to your equipment manufacturer's manual for instructions.

Configure FieldGenius to use Bluetooth COM Port

Start up FieldGenius, and go into the main menu, then Settings, then Instrument Selection. Edit your Total Station, GPS Rover, or GPS Reference profile with the following changes...

Tip: If you frequently switch back and forth between connecting with a Cable and Bluetooth, you can create a separate profile for each.

Instrument Selection	12 ₃ 😯	
Instrument Type Total Station Total Station Demo GPS Rover GPS Reference GPS Demo None	Instrument Profile sokkia Add Delete Edit Profiles contain equipment settings and measurement tolerances.	
Connect the data collector to the instrument and switch the power on prior to pressing the 'Connect' button.		
V Connect	Close	

For a Total Station, click on the Model and Communication button. The only option that you will need to change is to set the COM port to match what we saw earlier, in this case COM6.

All of the other profile settings will be the same whether you are connecting with Bluetooth or with a cable.

For a GPS Receiver (base or rover), click on the Model and Communication button. The only option that you will need to change is to set the Data Collector Port to match what we saw earlier, in this case COM6.

All of the other profile settings will be the same whether you are connecting with Bluetooth or with a cable.

Model and C	ommunication		12 ₃ 💡
Make Sok	kia 🔻 Mo	odel SET Advance	ed 🔻
Status:	Not Connected		
Connec	t to Instrument	Use Default Co Settir	mmunication ligs
Port	COM6	🖌 🛛 Data Bits 🖡	3 🔽
Baud Rate	19200 •	Stop Bits	1 🔽
Parity	None -	-	
×		Close	

GPS Model and Communication	1	1 ₂₃ 💡
GPS Receiver	[Data Collec	tor —
Model	Port	
Topcon HiPer 🗨	Baud Rate	Auto Detect 🔻
Port	Parity	None 💌
Port A 🗨	Data Bits	8 🔻
	Stop Bits	1 💌
√	ОК	

Connect FieldGenius through Bluetooth

Connect to your instrument the same way as you would with a cable, either through the Instrument Toolbar or the Instrument Profiles screen.

	í		
Connect to Instrument	EDM Mode	Set Angle	X

Instrument Selection	12 ₃ 💡		
Instrument Type Total Station GPS Rover GPS Reference GPS Demo None	Add Delete Edit Profiles contain equipment settings and measurement tolerances.		
Connect the data collector to the instrument and switch the power on prior to pressing the 'Connect' button.			
V Connect	Close		

FieldGenius will automatically connect to the Allegro's Bluetooth signal and will begin a search for any Bluetooth devices within range.

Select your instrument or receiver in the list, turn on the "Save selection for future use" option, and press Select.

If you do not see your instrument, press the Refresh button. If you still do not see your instrument, check that it has been properly configured to use a Bluetooth connection.

Some instruments may then give you a selection of Bluetooth services to choose from. If so, just follow any prompts that come up.

If you checked the "Save selection for future use" option shown above, then on any subsequent connections only the previously selected Bluetooth device will be shown, and anything else that may be within range will be hidden. Just press the Select button.

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New Bl	uetooth Devices	X
Device	e Name Sela	ect
	Bluetooth Device Search	
	Looking for Bluetooth device(s)	esh
Choos	Time remaining:	tel
To per		
Tap Ca	ncel to abandon this operation.	
L S <u>a</u> ∖	ve selection for future use.	
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To about the Calastina	1. 0
New Bluetooth Devices	×
Device Name	<u>S</u> elect
🖏 SET530R3 144445	
Pocket_PC	<u>R</u> efresh
•	Caral 1
Choose the desired device and tap Select.	
To perform the search again, tap Refresh. Tap Cancel to abandon this operation. Im Save selection for future use.	
Connect 🔥	0.030

Bluetooth Devices		×
Device Name	<u>S</u> elect	
ିଅ <mark>5ET530R3 144445</mark>	Eind	
Choose the desired device and tap Select.	Cance	
If the desired device is not shown, tap Find to : one that may be in range.	search for	
Tap Cancel to abandon this operation.		
Instrument EDIM Mode Set	wngle	-