Bluetooth Troubleshooting for EV3

General Notes

- Make sure that the iPhone/iPad option on the EV3 Brick is turned off, whenever you want to use Bluetooth as connection type to your LEGO MINDSTORMS EV3 Home Edition Software.
- We advise that you turn off Wi-Fi when trying to connect via Bluetooth.

For Mac OS-X

Connecting

- Start the LEGO MINDSTORMS EV3 Home Edition Software application and connect your EV3 Brick to the Mac using the USB cable. Make sure that Bluetooth is activated on the EV3 Brick.
- In the EV3 Software, navigate to the Hardware Page (see below image) and click Refresh.



- The following window appears and will list all previously connected and available EV3 Bricks. Note; it might take some minutes before your EV3 Brick is recognized and being showed in the list of available devices.
- Find the EV3 Brick you would like to connect to and select it.

≯	Select Bluetooth Device Select a Bluetooth device from the lis found make sure it is "discoverable"	t of devices. If your device is not	
Bluetoot	h Devices		
Name		Type	
EV3		Unknown	
EV3		Unknown	
EV3_num1		Unknown	
Searching	for devices – 0 found.	3	

• Bluetooth is now available as a connection type, which is indicated by the enabled radio button on the Hardware Page in the EV3 Software.

• Select Bluetooth by clicking the radio button, below the Bluetooth icon.



- Confirm connection and password on your EV3 Brick.
- Enter "1234" as the Passcode in the Pairing Request from EV3 window.



• The EV3 Brick is now connected to your Mac using Bluetooth.



If this is the first time you want to connect your EV3 Brick to your Mac using Bluetooth, some extra steps might be necessary.

If your EV3 Brick never shows up on the list of available Bricks, please restart your EV3 Brick and try the following steps.

• Go to System Preferences and select Bluetooth



• Select Set Up New Devices or Add new Device

000		Bluetooth	
	Show All		٩
	"lvtestmacmi	ni3" is the name Bluetooth devi	ices use to connect to this computer.
	🗹 On	✓ Discoverable	
		No Dev	ICes
		Set Up New Dev	vice
🗹 Show	Bluetooth stat	us in the menu bar	Sharing Setup Advanced ?

- The Bluetooth Setup Assistant will now search for all devices available over Bluetooth. Note: it might take some minutes before your EV3 Brick is recognized and being shown in the list of available devices.
- When you see your EV3 Brick, select it and click Continue.

000	Bluetooth Setup Assistar	nt
	Welcome to the Bluetooth Setu When your device appears in the don't see your device in the list, "discoverable." For more informa came with your device.	p Assistant. e list, select it and click Continue. If you make sure it is powered on and ation, see the documentation that
	Devices	Туре
	EV3	Unknown
	dawn	Desktop
	lvtestimac1	Desktop
	lvtestmacmini1	Desktop
	lvtestmacmini4	Desktop
	58-B0-35-8E-89-FB	Portable
	$\mathcal{C}_{\mathbf{p}^{k}}$ Searching for Bluetooth devices	
		Go Back Continue

- Confirm the connection and password on your EV3 Brick.
- This first attempt will most likely fail, because the Mac's default passcode is set to "0000"
- Click on Passcode Options

000	Bluetooth Setup Assistant
	Bluetooth Setup Assistant Attempting to pair with "EV3."
	The pairing attempt was unsuccessful. The device is refusing the pairing attempt. Refer to the manual that came with the device. When ready, click Continue to try again.
	Passcode Options Go Back Continue

- Select Use a specific passcode and enter "1234"
- Click OK

000	Bluetooth Setup Assistant
	For most Bluetooth devices, we can automatically pair with the device. Some devices may use other passcode options. See the documentation that came with your Bluetooth device if you are having trouble pairing. The selected option may be ignored if the device is "Simple Secure Pairing" capable.
	 Automatically generate a passcode Some Bluetooth devices use a passcode that is created automatically. Use a specific passcode: 1234 Use this option if your Bluetooth device requires a specific passcode. Do not use a passcode with this device Most Bluetooth devices require that you use a passcode. Some Bluetooth devices, such as certain Bluetooth printers, do not require a passcode. Cancel OK
	pairing attempt. Refer to the manual that came with the device. When ready, click Continue to try again.
	Passcode Options Go Back Continue

- Confirm the connection and the password on your EV3 Brick.
- You should now see the following window confirming, that your EV3 Brick has been paired successfully.
- Click Quit.

000	Bluetooth Setup Assistant
	Congratulations! Your computer is now set up to use your device. Pairing was completed successfully A computer serial port was created
	Set Up Another Device Go Back Quit

• Your EV3 Brick will now show up on the list of known Bluetooth devices.

00		Blu	etooth			
	Show All				Q	
	"lvtestmacmi	ni3" is the name Bluetoo	th devices	use to connect to	this computer.	
	🗹 On	Siscoverable				
🐮 🖥	3 lot Connected					
						° .
	_ _					
+ -	\$. •		-			
Show 🗹	Bluetooth stat	us in the menu bar		Sharing Setup	Advanced] ?

• Return to the Hardware Page, in the EV3 Software, and click Refresh



• Find your EV3 Brick in the list and select it.

000		
*	Select Bluetooth Device Select a Bluetooth device from the list of found make sure it is "discoverable"	f devices. If your device is not
Bluetoot	h Devices	
Name		Type
EV3		Unknown
Searching	for devices – 1 found.	
🗹 Remer	mber this device	Cancel Select

- In the Hardware Page, your EV3 Brick will now be available over Bluetooth.
- Click on the radio button, below the Bluetooth icon, to connect.

l	P	0	USB	*	((t=	٦	EV3
ŀ	EV3						
ľ	E						
l							

- Your Mac will now connect to your EV3 Brick. Note: that you might have to confirm the connection one more time on your Brick at this stage.
- When you are connected, the EV3 icon will turn red like below.

L	6		C Đ	USB	*	*)))	٦	EV3
Į.		EV3						÷
Ľ								$\mathbf{\mathbf{D}}$
L								

For Windows

Mainly on Windows XP and VISTA it might be necessary to pair the EV3 Brick to the PC using the "Add device" functionality. If you cannot see the Brick in the Hardware Page in the application, try the following steps.

- · Go to Start and find Devices and Printers
- Click on "Add Devices"

Control Panel + Hardware an	id S
Add a device Add a printer	
 Device Add a wireless or network device to this computer 	

 After some time, your EV3 Brick will show up in the list of available devices. Select it and press Next

Select a device to add to this computer Windows will continue to look for new devices and display them here.	0	😰 Add a device	×
EV3_103H Bluetooth Other		Select a device to add to this computer Windows will continue to look for new devices and display them here.	
		EV3_103H Bluetooth Other	
What if Windows doesn't find my device?		What if Windows doesn't find my device?	

- The PC will now try to connect to the EV3 Brick.
- Confirm connection and password on the EV3 Brick
- On the PC, enter "1234" like below and click Next





• When the pairing process is done, the following window will show up.



- Go back to the LEGO MINDSTORMS EV3 Home Edition Software application and hit the refresh button in the Hardware Page
- In the Hardware Page, your EV3 Brick will now be available over Bluetooth
- Click on the radio button, below the Bluetooth icon, to connect



- Your computer will now connect to your EV3 Brick. NOTE that you might have to confirm the connection one more time on your brick at this stage
- When you are connected, the EV3 icon will turn red like below.

