Receiving location data from external devices on SteFly NAV

SteFly NAV does not have an internal GPS receiver (as of 02/2025), as flarm data including the position is usually available via a serial interface (D-Sub or RJ45 ports on the back of the device) for standard gliding applications. However, some apps such as SkyDemon cannot receive position data via the serial interface, but only wirelessly and from certain devices for which the corresponding drivers are available in the particular app.

With the "GPS Connector" app, however, it is possible to process position data from external devices, received e.g. via Bluetooth, in such a way that it is treated like location data from an internal GPS receiver. The procedure is described in the following sections using the example of a Nano IGC logger from LX as a location data source and SkyDemon as navigation app.

Section 1: Pairing an external Bluetooth device with SteFly NAV



Section 2: Installing and configuring the "GPS Connector" app



| Step 7: Go up one menu level: Click on the white left arrow next to "GPS Connector". | Step 8: Activate "Reconnect automatically". | Step 9: Go up one menu level: Click on the white left arrow. Then click on "Mock location". |
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| StorpM + Comparison of the second s | Ceps Connector Ceps Connector Select NMEA input source Bluetooth Classic Input source settings LXNAV-NANO-2255 Reconnect automatically if NMEA-GGA string is missing Not set Estimate accuracy This is a very rough estimate. Activate this setting only if Help - howto Video tutorials | C2UPM S S Connector ← GPS Connector SNSS Input Bluetooth Classic LXNAV-NANO-2255 Mock Location Activated, orthometric height NM&A Binary Parser Off - ASCII only Display Display settings System System System System System System settings ✓ ✓ |
| Step 10: Activate "Set Mock Location". | Step 11: Go up one menu level: Click on the white left arrow. Then click on "System settings". | Step 12: Optionally select "Start App after reboot" so that the GPS position is available to all apps after restarting SteFly NAV. |
| S:30 PM ⊕ ● GPS Connector Mock Location Set Mock Location Pelease select the 'mock location app' in the developer options as well Mock Height Orthometric height (above geoid, mean sea level) Developer options Click here to select the mock location app GPS Connector How do i configure mocking? | COPM # @ O Connector Constant GNSS Input GNSS Input Bluetooth Classic LXMAV-MANO-2255 Mock Location Activated, orthometric height NMEA Binary Parser Off - ASCII only Display Display settings System System System settings Advertising Remove Advertising W Remove Advertising | C20 PM # 0 0 C GPS Connector System start System start Shut down Shut down App automatically if no NMEA data is available Not set Tracing - Log Create debug log file Share debug log file O Create debug log file O C C C C C C C C C C C C C C C C C C |

| Step 13: Go up one menu level and then close the app: Click on the square in the lower control bar and then swipe the app upwards out of the screen | Step 14: Then also close the app that is still running in the background. For this click on "Exit app". | |
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| S:33 PM # @ @ B:33 PM # @ @ N/A - North @ N/A - North @ N/A - East @ N/A - East @ N/A - East @ S: Screenshot S: Screenshot () Screen | S52 PM Wed, Feb 5 Internet A Bluetooth O Do Not Disi Auto-rotat O Battery Sa Airplane m Sereen recording saved Tap to view Silent Sereen recording saved Tap to view Silent O Serial Console enabled Performance is impacted. To disable, check boo O CPS Connector GNSS GPS - Status Guality:- ExtT APP Manage | |

Section 3: Adjusting settings in SteFly NAV



| Step 4: Click on "System". | Step 5: Navigate to "Developer options". | Step 6: Scroll all the way down and click on "Select mock location app". |
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| S:31 PM # P Screen lock, Find My Device, app security Privacy Permissions, account activity, personal data Location On - 3 apps have access to location Passwords & accounts Saved passwords, autofil, synced accounts G Google Services & preferences System Languages, gestures, time, backup About tablet About tablet | S:31 PM # @ Languages & input Gestures Date & time GMT+00.00 Greenwich Mean Time Backup System update Updated to Android 13 Multiple users Signed in as Owner Developer options Reset options | Signaphie Control of the user. |
| S:31 PM ⊕ ● ●▼ ← Select application Nothing O GPS Connector de pilablu gpsconnector Image: SkyDemon aero skydemon skydemon android | Step 5: Go up one mend level and click on "Location". Security Screen lock, Find My Device, app security Privacy Permissions, account activity, personal data On - 3 apps have access to location Passwords & accounts Saved passwords, autofill, synced accounts G Google Services & preferences System Languages, gestures, time, backup | Step 5: Circk of r App location permissions". |
| * (● ■ *) (') | About tablet SteFlyNav | provide, and maintain Google's ervices based on Google's and third parties' legitimate interests to serve users' needs. Apps with the Nearby devices permission can determine the relative |



Section 4: Final test of the "GPS Connector" app and forwarding of the position data to other apps such as "SkyDemon"

Step 1: Switch on the external Bluetooth device with GPS receiver (here Nano Logger), place it where it has satellite reception and open the "GPS Connector" app.

Step 2: Open an app that requires location data (here SkyDemon). Give your consent for the app to access the location data. **Step 3:** Click on "Fly". The current position is now displayed on the map.

