

Items needed for data base update using Internet method:

- USB to Serial adapter cable - Keyspan USA 19HS - can be purchased at Walmart for about \$27
- KLN Data loader cable - PN 050-3612-0000 (KLN 94) or 050-03213-0000 (KLN 89B/90B/900/KLX135A)- purchased from Bendix King. Email this PN to parts@bendixking.com for price and availability

Steps for updating KLN/KLX Units using Internet method:

1. Go to the following website using **Internet Explorer only**:

<https://wingmanservices.bendixking.com/wingman/pages/wingmanLoginPage.jsp> and log in.

The screenshot shows the BendixKing Wingman Services website. The header includes the logo and navigation links for BendixKing.com, Honeywell.com, and Aerospace. A blue navigation bar contains links for Wingman Home, Software Updates, AV8OR, and Sentinel / Observer. A sign-in form is visible on the right, with fields for User ID (e811974) and Password, and a Sign In button. Below the sign-in form are links for Remember my ID on this computer, Forgot your User ID?, Don't have a User ID? Register, and User ID Management. The main content area features a banner for "Launching Sentinel and Observer Online Updates" with a helicopter image and text about purchasing updates.

2. Find the link that says "GPS Data loader software". This link can be found in the bottom blue box called *Quick Navigation*.

The screenshot shows the Quick Navigation menu. It features a hand cursor icon and a list of links under the heading "Quick Navigation". The links are organized into two columns: Downloads and Documents. The "GPS Data Loader Downloads" link is highlighted with a yellow box.

Downloads	Documents
Previously downloaded Database	Download Instructions
AV8OR Handheld Downloads	Database Schedules
AV8OR ACE Downloads	
GPS Data Loader Downloads	

3. From here, download the appropriate data loader software for your version Windows OS. **NOTE:** Windows 8 users should download the Windows 7 software.

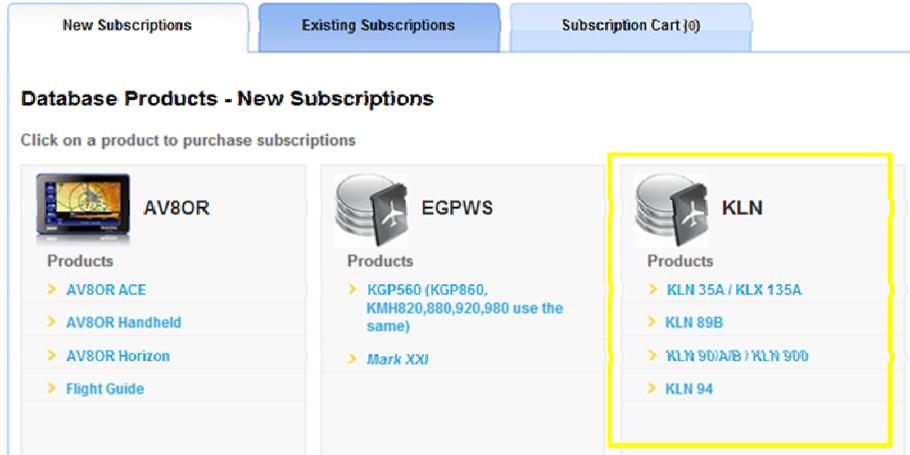
Tools
Win7-GPS Data Loader (Size: 4.5 MB) Readme.doc
Windows Standard-GPS Data Loader (Size: 1.7 MB)
Windows Vista-GPS Data Loader Option 1 (Size: 1.7MB)
Windows Vista-GPS Data Loader Option 2 (Size: 1.7MB) Readme.txt
SDDR-31 Firmware Upgrade
KLX100 Software Upgrade
VistaNav Upgrade

4. Find the link at the top of the page that says “**Subscriptions**”.



Software Update
Tools and Documents

5. Locate the link for your appropriate KLN unit. KLN units are listed in the top row, on the right hand side.



6. Select link for appropriate KLN unit. Fill in the provided box being sure to pay attention to the Start Cycle dates and region coverage.

7. Select the number of databases you wish you purchase, then select “Add to Cart” and purchase.

Purchasing a Subscription [Close](#)

KLN 94

1 No. of Subscriptions :

2 Select Start Cycle: 02-May-2013 to 29-May-2013(201305)

3 Region/Coverage :

4 Shipping address type: Americas North
Americas South
Atlantic
Pacific

5 Select Your Count and

Media Type	Database count			
	1	4	6	13
Compact Flash	<input type="radio"/> \$285	<input type="radio"/> \$530	<input type="radio"/> \$645	<input type="radio"/> \$775
HD Diskette	<input type="radio"/> \$205	<input type="radio"/> \$410	<input type="radio"/> \$480	<input type="radio"/> \$695
Internet Download	<input type="radio"/> \$120	<input type="radio"/> \$235	<input type="radio"/> \$290	<input checked="" type="radio"/> \$410 <small>Best Buy \$31.54 each</small>

6 Delivery Type : Standard Mail - No charges apply.

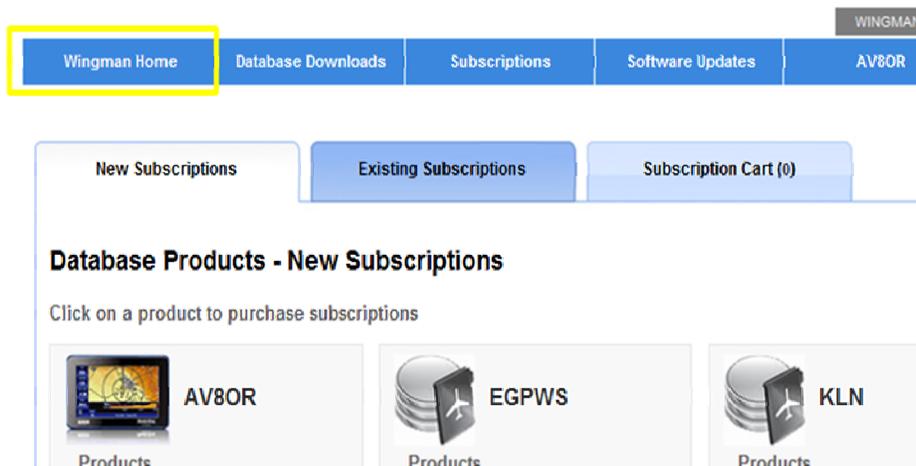
Total : \$00.00
*U.S. TAX MAY APPLY. SHIPPING FEE WILL APPLY FOR EXPEDITED SHIPPING

8. Retrieve the database key from your KLN/CLX unit:

GPS Model	Database Key Location
KLN 900	Set 0 Page

KLN 90	See "Reading Key From Data Loader Software"
KLN 90A	See "Reading Key From Data Loader Software"
KLN 90B	Set 0 Page
KLN 94	Set 3 Page
KLN 89/B	Set 3 Page
KLN 35A	See "Reading Key From Data Loader Software"
KLX 135A	See "Reading Key From Data Loader Software"
KLX 100	I/O Setup page, select UPDATE DATABASE, Load database page

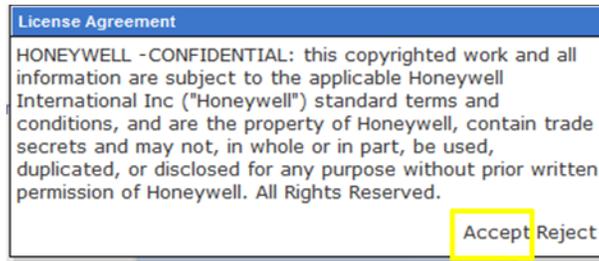
9. Return to Wingman Home.



10. Select the "Download your Database" button.



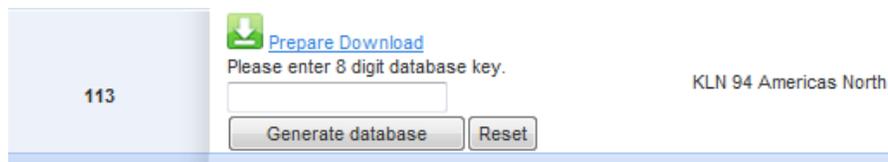
11. Click the "Accept" word when window comes up.



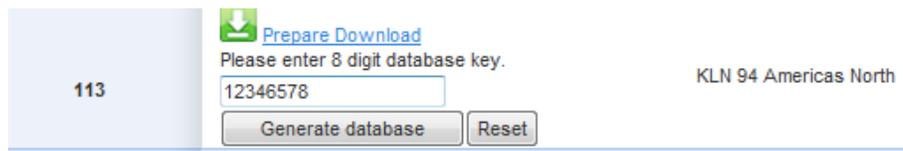
12. Find the link for the database you wish to download.



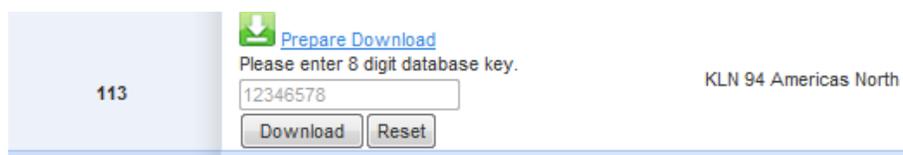
13. Select "Prepare Download" link.



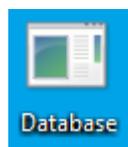
14. Enter 8 digit database key retrieved from Step 8, then select "Generate database" button.



15. Select "Download" button and save to a place where the file can be retrieved easily – preferably your Desktop.



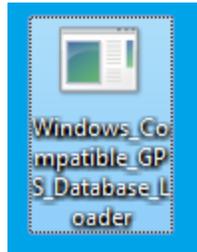
16. File download is called "Database.exe". File should be around 3 megabytes in size. **DO NOT OPEN THIS FILE AT THIS TIME!**



17. Logoff and close internet browser.

18. Connect your computer to your GPS unit using the Keyspan cable and data cable noted in "Items needed for data base update using Internet method" at beginning of this document.

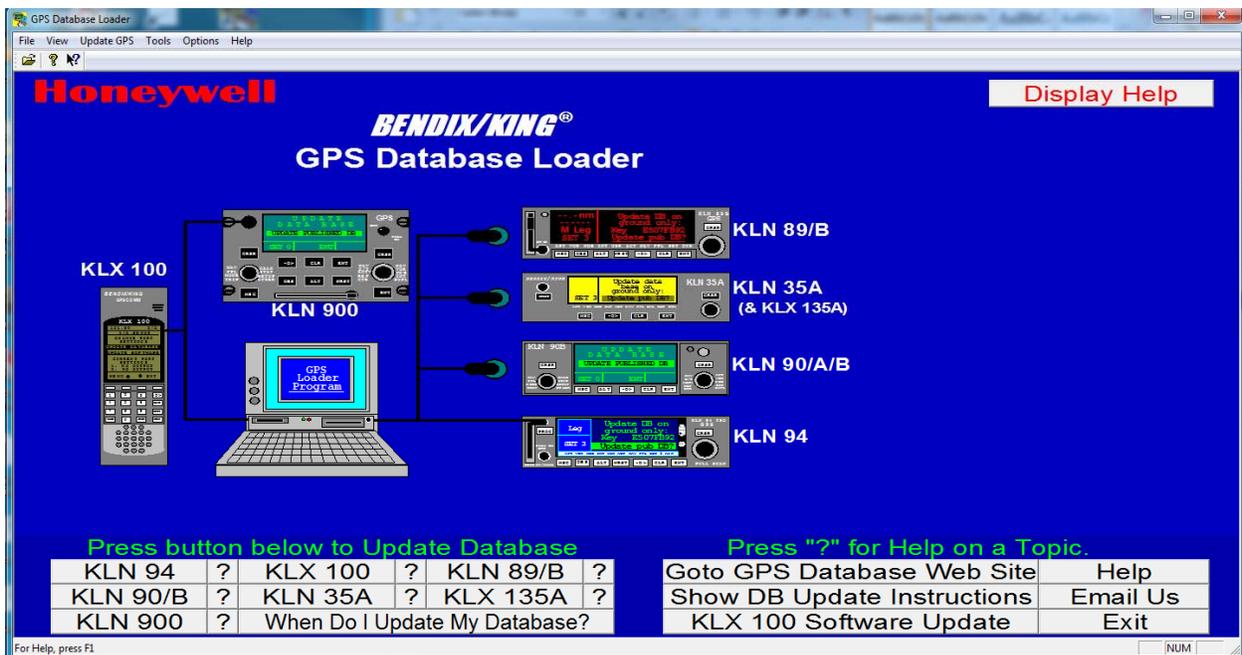
19. Find Zip file for Database Loader program downloaded from Step 3 and unzip it.



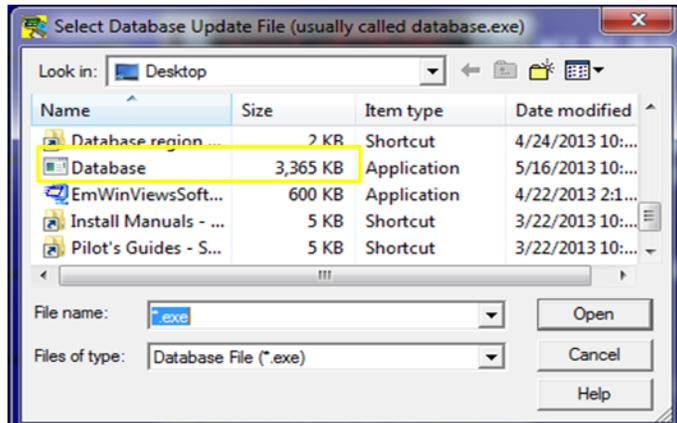
20. Open Database Loader program.



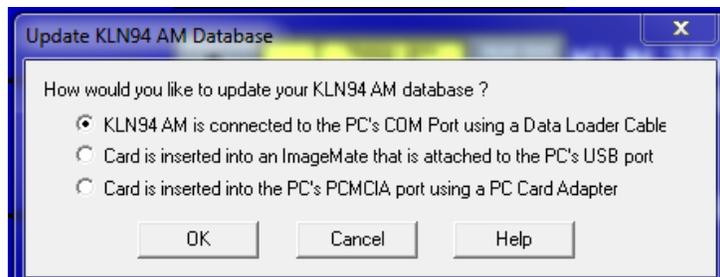
21. Find and select the *picture* of the unit you wish to update.



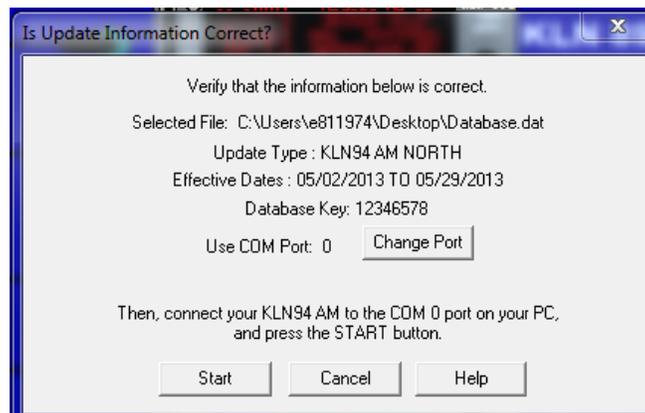
22. Find the "Database.exe" file just downloaded and select the "Open" button.



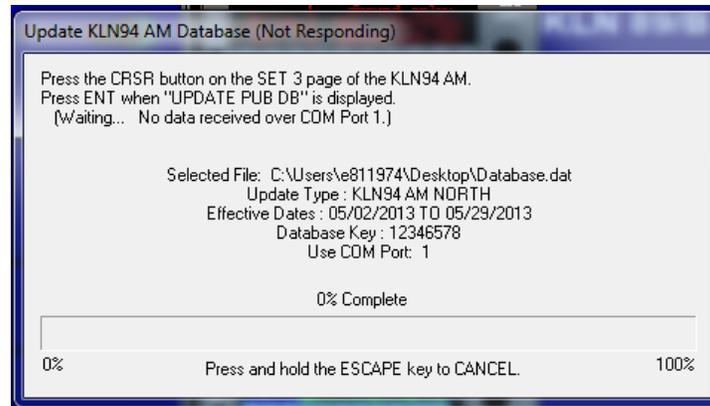
23. Select the appropriate radio button for how your unit connected and select “OK”.



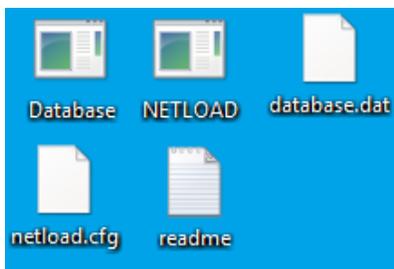
24. Ensure information provide on subsequent window is correct (specifically the database key and COM Port) and then select “Start” button.



25. Follow instructions on next window. Database will then begin downloading. Depending on which unit that is being updated, this could take anywhere from 8-16 minutes.



26. After successful update, go to the computer desktop and find the following files: *Database.exe*, *database.dat*, *NETLOAD*, *netload.cfg* and a *readme* file and delete them.



Reading Key From Data Loader Software

1. Connect unit to computer and start GPS Data Loader Software.



2. On the GPS Loader Software, go to *Tools > Read Database Key from*, then select the appropriate connection.

