COMMANDER 2000K

Set-up instructions for the Commander 2000K Docking Station

Congratulations:
Congratulations on the purchase of your Commander 2000K docking station for the KLN 90A/90B, KLN 89/89B/94, KLN 35A, and KLX 135/135A GPS receivers. The docking station provides the end-user with the ability to learn introductory to intermediate functionality in a non-flying environment.

Step 1 Unpacking:
Unpack your docking station from the shipping container (check for any damage). If the container and product are damaged contact Lone Star Aviation's customer service representative to report the incident.

Enclosed Package For 2000K:
1 (Qty 1) Commander 2000K docking station.
2. (Qty 1) AC Cord, (IEC) 3 prong Male-Female.
3. (Qty 1) Panel fuse.
4. (Qty 1) Power-simulation cable assembly.
5. (Qty 1) Commander 2000K Instruction Sheet.

Step 2 Read Instructions:
Read this instruction sheet thoroughly. If you have any questions on setting up, please call your Lone Star Aviation's customer service representative for clarification. Please refer to Honeywell GPS manuals for additional information.

KLN 90A GPS Manuals:
Pilot's Guide (006-08763-0000 Rev. 0)
Quick Reference Guide (006-08756-0000 Rev. 0)

KLX 135/135A GPS Manuals:
Pilot's Guide (006-08789-0000 Rev. 2)
Quick Reference Guide (006-08790-0000 Rev. 2)

KLN 90B GPS Manuals:
Pilot's Guide (006-08774-0000 Rev. 0)

KLN 94 GPS Manuals:
Pilot's Guide (006-18207-0000 Rev. 2)
Quick Reference Guide (006-18228-0000 Rev. 2)

KLN 89/89B GPS Manuals:
Pilot's Guide (006-08786-0000 Rev. 5)
Quick Reference Guide (006-08787-0000 Rev. 1)

KLN 35A GPS Manuals:
Pilot's Guide (006-08791-0000 Rev. 2)
Quick Reference Guide (006-08792-0000 Rev. 1)

Step 3 Set-up:
Set-up the docking station on a level desk top or bench near a grounded AC power outlet. If you purchased the cooling fan options plug the 2.1 mm plug into the mating connector on the rear of the Commander Station.

Step 4 Installing Your Unit Into The Control Station:
The docking station comes ready to operate, simply loosen the (4) screws on the left and right side of the commander's top cover. Next, slide the GPS receiver into the commander's top enclosure until the GPS's front face is flush to the front side of the top enclosure. Loosen or tighten the side screws (x 4) as required for a final adjustment if needed.

You shouldn't have to make any major adjustments once the unit is positioned into the commander. Some users keep the front screws looser than the rear. This will make it easier and quicker to insert and remove the control head from the commander docking station when you return the GPS to the aircraft.

Step 5 Power Up Unit:
Once the GPS receiver has been installed into the Commander 2000K you are ready to power-up the station and the receiver.

First	Toggle the docking station's On/Off switch to the Off position.
Second	Make sure the GPS Receiver's On/Off switch is in the Off position.
Third	Plug the AC cord into the station's AC receptacle then into an AC grounded power source.
Fourth	Insert the (5 pin din) power cable assembly into the (5 pin din) round female receptacle on the docking station's back accessory panel. Connect the appropriate gray female multi-pin db cable assembly into the main system connector. See Connector Configuration below.
Fifth	Turn the GPS receiver's power switch to the On position.
Sixth	The station's power supply takes (2 to 3) seconds to reach full power. The green led indicates DC power is active from the power supply, through the fuse assembly to the 5 pin power cable.

Step 6 GPS Simulator Mode Set-Up:
For general operating instructions, training, or programming refer to the GPS owner's manual, pilots guide, or service install documentation.

Simulator Mode Set-Up
1. Turn unit on.
2. Enter Demo Mode.

Step 7 Docking Station Maintenance:
1. Fuse Replacement - Replace with 3 amp fuse - 1.25 X .025
2. Cleaning - Clean with alcohol.

Step 8 Optional Equipment:
1. (Qty 1) Commander 2000K Docking Station Cooling Fan: LS03-02013 with Tubing Kit LS03-02022A
2. (Qty 1) USB to Serial Adapter: LS03-02034
3. (Qty 1) Aircraft 1 Port Cooling Fan, (PMA pending): 12V Model: LS03-02040, 24V Model: LS03-02041
4. (Qty 1) Aircraft 3 Port Cooling Fan, (FAA-PMA'd): 12V Model: CRB-6457, 24V Model: CRB-122253
5. (Qty 1) Aircraft 6 Port Cooling Fan, (FAA-PMA'd): 12V Model: LS03-03034, 24V Model: LS03-03035
6. (Qty 1) Aircraft Tubing (For Avionics) 5/8"(FAA): LS03-04000, Roll 50ft: LS03-04000-50
7. (Qty 1) Aircraft Noise Filter, Eliminator Filter (PMA'd):   122253-10A
8. (Qty 1) Aircraft Noise Filter, Alternator Filter (PMA'd): LS03-01004
9. (Qty 1) Aircraft Noise Filter, Magneto Filter (PMA'd):   LS03-01010

Note - Connector Configuration:
The appropriate power simulation harness is included with the 2000K docking station. Here is the configuration for the various GPS receivers.

1. KLN 90/90A/B = 5 pin din to 50 pin db FM
2. KLN 89/89B/94 = 5 pin din to 37 pin db FM
3. KLX 135/135A = 5 pin din to 22 and 15 pin edgecard connector.
4. Data Cable for (KLN 90, KLN 35, KLX 135 Series) = LS03-02010 4 pin to 9 pin db.
5. Data Cable for (KLN 89/94 Series) = LS03-02011 9 pin to 25 pin db.
6. USB to Serial Adapter = LS03-02030 9 pin db to USB.