

Adding Kai Tak to the Sim-Avionics Nav Updates:

Please note this information relates to editing the nav cycle database for Sim-Avionics only, other databases may follow a similar format but I haven't tested nor know details.

First of all I take no responsibility for any data loss or damage if you follow these instructions, do it at your own risk and backup your current database before hacking into it. Positioning information for the airport and runways was sourced from various places on the net so might not be totally accurate but it all works fine for me. If anyone has more accurate or differing information please post to the Navigraph support forum [HERE](#)

1. Install the new nav cycle using the .exe file downloaded from Navigraph.
2. Open the navdata package located in your Sim-A directory '**Navigation_Data**' titled "**nd.mdb**" using a suitable database editor. I use a free program called "MDBPlus".
3. Open the table "**Airports**" and add a new entry to the end of the table as follows:
Increment the ID field by 1 (eg. **10591**)
ICAO = **VHHX**
Latitude = **22.326667**
Longitude = **114.168331**
Elevation = **15**
4. Open the table "**AirportLookup**" and add a new entry to the end of the table as follows:
extID = **VHVHHX**
ID = **ID number you entered in the Airports table**
5. Open the table "**Runways**" and add a new entry for both ends of the runway as follows"
ID = Increment number by 1
Airport = ID number you entered in the Airport table (eg **10591**)
Ident = **13**
TrueHeading = **134.038850**
Length = **10930**
Width = **197**
Surface = **ASP**
Latitude = **22.321953**
Longitude = **114.196294**
Elevation = **17**
6. **Now the same for the runway 31:**
ID = Increment number by 1
Airport = ID number you entered in the Airport table (eg **10591**)
Ident = **31**
TrueHeading = **313.988785**
Length = **10930**
Width = **197**
Surface = **ASP**
Latitude = **22.305675**
Longitude = **114.214481**
Elevation = **17**

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7. **Adding the IGS ILS frequency for Rwy13:**

Open the table "ILSes" and add a new entry at the end of the table:

ID = Increment by 1

RunwayID = ID number for 13 you entered in the Runways table

Freq = **17928192** (see note below for explanation on how this number is derived)

Latitude = **22.337333**

Longitude = **114.207**

Catagory = **1**

Ident = **IGS**

LocCourse = **88**

CrossingHeight = **49**

HasDme = **True**

Elevation = **15**

Save and fly! You will now be able to put Kai Tak into your positioning information in your FMC and also see the airport on your ND.

Cheers,

Ken.

www.kennair.com.au

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Navdata Frequency Format:

The navdata frequency format is derived by typing the frequency into a scientific calculator in a 7 digit format using the HEX option then convert the number to Decimal. For example Windows calculator select Scientific from the View menu, select the Hex option, type in the frequency as a 7 digit number eg. enter 111.9 as **1119000**, then select Dec and the resultant number **17928192** is displayed. This is the format to enter into the ILS section of the database.