**Manual for ZSSS Hongqiao Airport scenery version 2.0**

Dear X-Planers

Thank you very much for downloading the Hongqiao Airport scenery for X-Plane 9 &10. In this version, I have totally re-modeled and re-textured the airport, with lots of details. Hope it will bring some great experience in X-Plane.

**Brief intro of the Hongqiao Int’l Airport:**

Located in the west part of downtown Shanghai, the Hongqiao airport is now one of the busiest airports in mainland China, featuring two 10,000-feet-long runways. The airport accepts airliners up to Boeing 777 level (In fact Airbus A380 can land at Hongqiao, but no jetways can handle that guy:-P). Hongqiao Airport is also the backup airport for Pudong Int’l Airport in the east part of the city, mainly for intercontinental flights.

Hongqiao Airport now mainly serves domestic flights, along with a small number of international ones towards South Korea, Japan and Guam. It is also the hub and base of China Eastern Airlines, one of the four state-owned airlines in mainland China.

I tried modeling all main buildings in the airport, including Terminal 1, Terminal 2 and the rest Hongqiao Hub with the railway station. But no CRH trains have been modeled because I have no detailed data of those trains.

Change Log:

Mar.6, 2014: New taxiway and runway textures; Terminal 1 rebuild slightly;

Jul 22, 2014: New buildings surrounding the airport, including some auto dealers and construction site (MANY MANY THANKS to Hans Petter from x-plane.org for his kind work).

**Requirements:**

X-Plane 10.11+ or X-Plane 9.70

OpenSceneryX installed.

*For XP10 users, the* **apt.dat** *doesn’t contain ATC routes. You can rename the* **apt with ATC.dat** *to* **apt.dat (overwrite the original file)** *to activate the ATC routes, though the ATC routes is not well functioned.*

***For XP9.70 users, please copy the* apt.dat *file from the* xp9 *folder attached and overwrite the apt file in the* Earth Nav data *folder inside the Hongqiao scenery.***

**Installation:**

Unzip the ZSSS\_Hongqiao folder into the Custom Scenery folder of the X-Plane. Then restart X-Plane.

If the scenery doesn’t show correctly, you can modify the scenery loading sequence with *scenery\_packs.ini* inside the Custom Scenery folder.

**Advised turning off the “runway follow terrain” option.**

**Navaid correction:**

The original navaid information by X-Plane is slightly off. So you should adjust it manually following the info below.

HONGQIAO VOR-DME

id: SHA

lon: 121 20.075

lat: 31 12.973

ele: 00007

VOR North: 359.6

frq: 117.20

range: 130

HONGQIAO NDB

id: C

lon: 121 19.830

lat: 31 12.933

frq: 313

range: 25

HONGQIAO NDB

id: B

lon: 121 19.953

lat: 31 10.834

frq: 257

range: 25

ZSSS 18L ILS CATII (original ZSSS 18 ILS CAT-I)

id: IPK

lon: 121 20.235

lat: 31 10.787

ele: 00007

heading: 182.1

frq: 110.30

range: 018

ZSSS 18L GS

id: IPK

lon: 121 20.223

lat: 31 12.572

ele: 00007

heading: 182

frq: 110.30

range: 010

ZSSS 36R ILS CATI (original ZSSS 36 ILS CAT-I)

id: IWB

lon: 121 20.119

lat: 31 12.925

ele: 00007

heading: 002.1

frq: 111.30

range: 018

ZSSS 36R GS

id: IWB

lon: 121 20.286

lat: 31 11.183

ele: 00007

heading: 002

frq: 110.30

range: 010

**Please add the new navaids below.**

ZSSS 18R ILS CATI

id: IHQ

lon: 121 20.002

lat: 31 10.840

ele: 00007

heading: 182.2

frq: 110.90

range: 018

ZSSS 18R GS

id: IHQ

lon: 121 19.994

lat: 31 12.449

ele: 00007

heading: 182

frq: 110.90

range: 010

ZSSS 36L ILS CATI

id: ISH

lon: 121 19.889

lat: 31 12.935

ele: 00007

heading: 002.1

frq: 111.70

range: 018

ZSSS 36L GS

id: ISH

lon: 121 20.055

lat: 31 11.330

ele: 00007

heading: 002

frq: 111.70

range: 010

CHONGGU VOR

id: CGT

lon: 121 11.600

lat: 31 12.600

ele: 00008

VOR North: 359.6

frq: 112.50

range: 130

**Thanks to**

World Editor

Overlay Editor

OpenSceneryX

Sketch-Up

Marginal’s SU2XPlane plugin

Marginal’s DGS kit

XGrinder

*Hans Petter* for his great modelling and texturing effort of the recent-added buildings surrounding the airport

*Freddy V* for his orthophoto alignment in the previous version of Hongqiao

*flightime56* for his advice on adding HDR lighting effects

Finally all simmers from x-plane.org. x-plane.cn and VATSIM China.

ZSSS Hongqiao Airport Scenery by

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