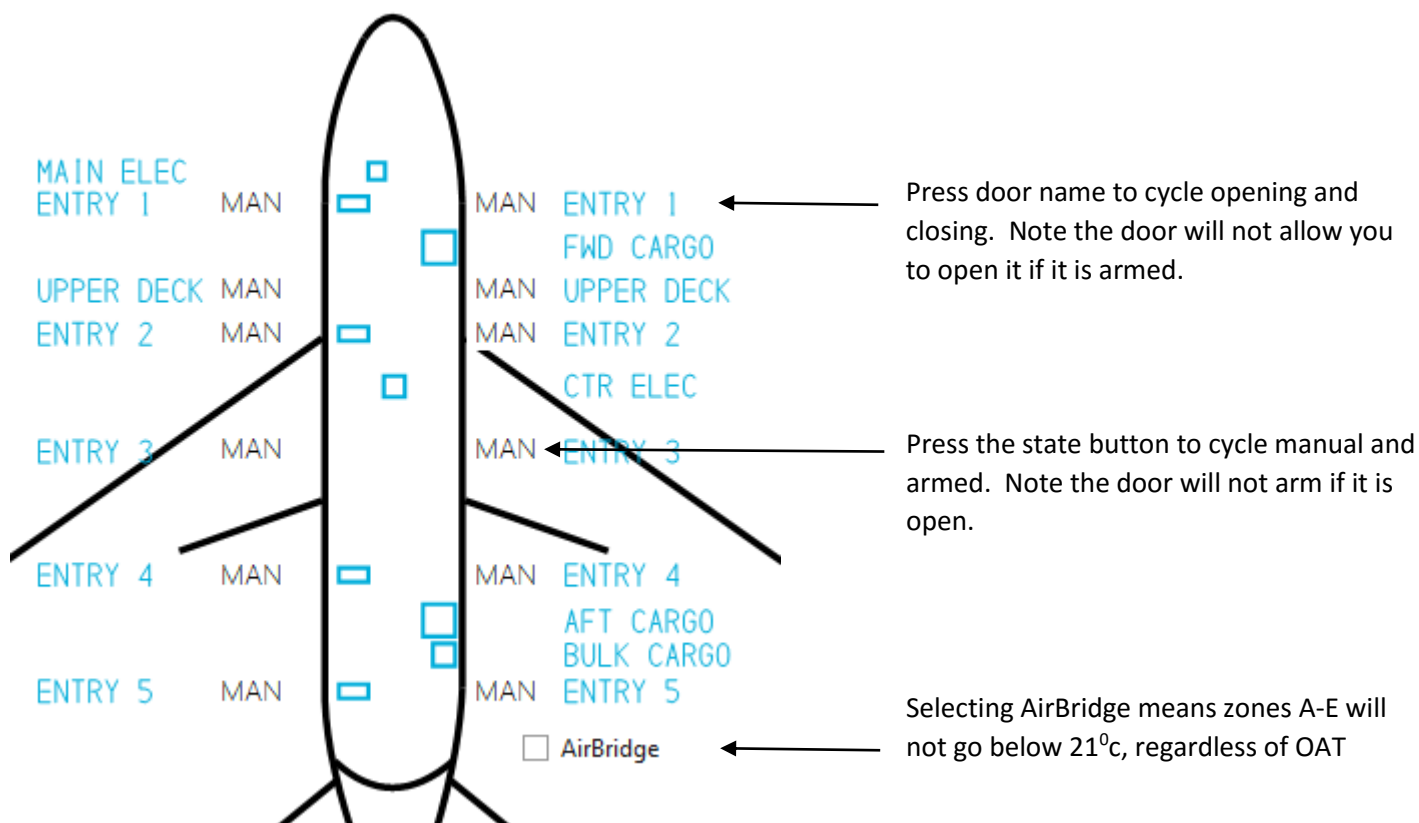# PSXNet

User Manual

Doors

The doors module allows you individually select doors and hatches to open/close or arm/disarm, plus quick configuration buttons. It also has an automatic setting to mimic the actions of cabin crew and ground staff in preparing the aircraft during operations.
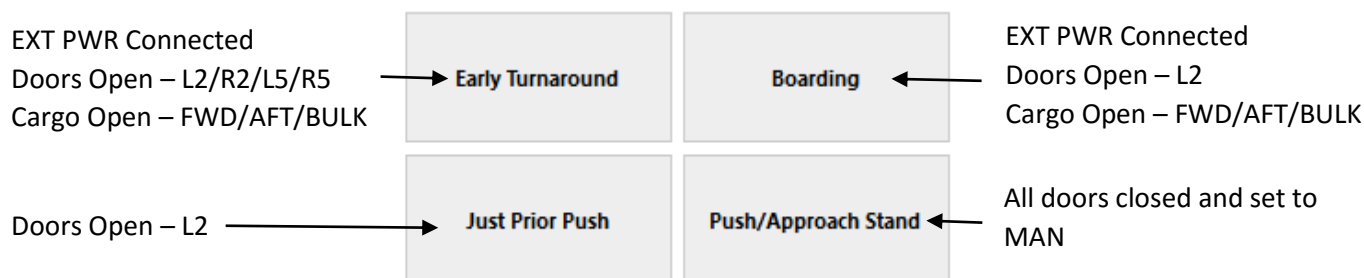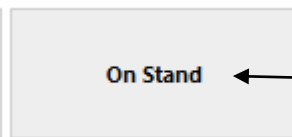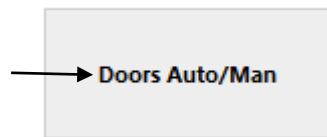
Main Display

MAIN ELEC
ENTRY 1   MAN   MAN ENTRY 1   Press door name to cycle opening and
                        FWD CARGO   closing. Note the door will not allow you
UPPER DECK MAN   MAN UPPER DECK   to open it if it is armed.
ENTRY 2   MAN   MAN ENTRY 2
                        CTR ELEC
ENTRY 3   MAN   MAN ENTRY 3   Press the state button to cycle manual and
                                              armed. Note the door will not arm if it is
                                              open.
ENTRY 4   MAN   MAN ENTRY 4
                        AFT CARGO
                        BULK CARGO
ENTRY 5   MAN   MAN ENTRY 5   Selecting AirBridge means zones A-E will
        ☐ AirBridge   not go below 21^0c, regardless of OAT

Quick Buttons

Opens all doors and hatches → **Open All**	**Close All** ← Closes all doors and hatches
Sets all doors to manual → **All Man**	**All Auto** ← Sets all doors to armed

Configuration Buttons

EXT PWR Connected Doors Open – L2/R2/L5/R5 → **Early Turnaround** Cargo Open – FWD/AFT/BULK	**Boarding** ← EXT PWR Connected Doors Open – L2 Cargo Open – FWD/AFT/BULK
Doors Open – L2 → **Just Prior Push**	**Push/Approach Stand** ← All doors closed and set to MAN

Note: If the APU is connected, Early Turnaround and Boarding will make EXT PWR AVAIL but will not connect.

Auto Buttons

Using the configuration timings, sets all doors from MAN/AUTO and vice versa.

Doors Auto/Man

On Stand

Using the configuration timings, makes EXT PWR available, opens door L2, opens cargo FWD/AFT/BULK

L1: 18	R1: 17
UL: 18	UR: 20
L2: 21	R2: 21
L3: 18	R3: 17
L4: 23	R4: 23
L5: 25	R5: 26

Displays the time remaining for the action to be completed on the individual doors or connections.

Configuration

Enter the maximum and minimum time (in seconds) that you wish for the actions performed by the auto buttons to take place.

Ground Services

The ground services module allows you to control some of the actions performed by the ground staff, loading, fuelling, pushback, connections and de-icing.

Fuel / Loading

The main panel displays the current Zero Fuel Weight, Gross Weight, Total Fuel, CG % MAC, Trim and Fuel Quantity in each tank.

Note: the weights are displayed in either kgs/lbs dependant on the option selected in settings.

Note: the STAB tank is only shown if selected in the aircraft settings.

Loading

Using the numbers type in the total required and then select either FUEL, PREFUEL or ZFW to set the relevant option.

Note: for round numbers you can enter just the first 3 digits, i.e for 220,000kgs of fuel you may just type 220.

Note: Depending on the options in settings, weights will be displayed in either kgs or lbs.

If you wish to start Pre Fueling, select the slider to ON.

3 Quick buttons are provided to set Max Takeoff Weight, Max Landing Weight and Max Zero Fuel Weight based on aircraft settings.

Current Weights

ZFW	251740
Fuel	49999
Prefuel	50000
Gross	301739

Displays the currently set ZFW and Gross Weight along with the current fuel quantity and prefuel setting.

Limitations

Min ZFW	181661	-70079
Max ZFW	251740	0
MLW	285760	-15979
MTOW	381000	79261
Max Ramp	382370	80631
Max Fuel	163861	113862

Based on the aircraft settings, displays the weight limitations and how close to exceeding those limitations the aircraft currently is. Exceedances will be shown in red.

In the current example we're 70079kgs above min ZFW, at our MAX ZFW and 15979kgs above our MLW.

Settings

Select whether the weights shown are in either Kilograms or Pounds.

Weights Measurements: ● Kilograms ○ Pounds

Rudder Pedals Pushback: Off

SAVE

Aircraft: GCIVF ▼   Add/Edit

If rudder pushback is turned on, during pushback you can change the direction by using the rudder pedals.

Select the current aircraft for weight limitations, you may add / edit / remove aircraft to match your fleet.

Pushback / Towing

Push Back   Tow Forward

Select either pushback or tow forward and then follow the default PSX pushback drivers instructions.
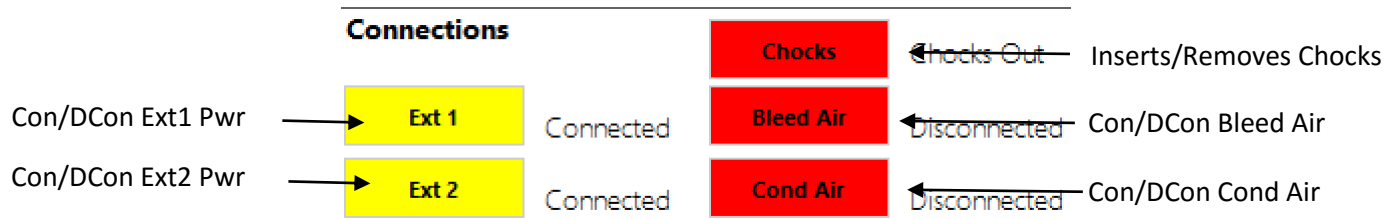
Stop

<   >

Use the arrows to start the nose movement in the intended direction. When swapping between left and right, select straight back for a short period of time.

In order to complete the push, select straight back and then press Stop.

Note the pushback will not automatically stop after a period of time, you must select stop.

Connections

Con/DCon Ext1 Pwr → **Ext 1** Connected

Con/DCon Ext2 Pwr → **Ext 2** Connected

Chocks ~~Chocks Out~~ Inserts/Removes Chocks

Bleed Air ~~Disconnected~~ Con/DCon Bleed Air

Cond Air ~~Disconnected~~ Con/DCon Cond Air

Notes:

EXT connectors are green when connected, yellow when available and red when unavailable.

Chocks, Bleed Air & Cond Air are green when connected and red when disconnected.

In order mimic the chocks been inserted, PSXNet continually applies full brake pressure – regardless of pedal/parking brake position. This means that if you have a loss of brake pressure the aircraft may roll if not on an even surface.

DeIcing

Select the type of de-icing fluid that is being applied to the aircraft → ○ Type I ○ Type II ○ Type III ○ Type IV

Select the type of precipitation

Select the consistency of the deicing fluid

Spray — Sprays the aircraft with deicing fluid as selected. Aircraft will remain ice free for a random period between the two estimates

De-Ice — Press to instantly remove all traces of ice, however no further protection

Inspect — Mimics looking out of the aircraft to gauge levels of contamination on the aircraft, as a percentage.

Left / Right – Contamination of wings

NAC1-4 – Contamination of nacelles.

Percentage Contamination Coverage ×

	Left	Right	
	83	84	
NAC1	NAC2	NAC3	NAC4
100	100	100	100

OK