Miltech Simulations U-2

INSPlanner

INSPlanner is the Miltech Simulations online planner for routes made of coordinates. Make a route, zones, scan boxes and charts on a map, on any device, then send them to the aircraft with a 6-digit ID. Open it at insplanner.miltechsimulations.com.

Note
No account is necessary. The aircraft reads the plan from the internet with the ID only. An ID is good for the flight you load it in: the U-2 does not keep it for the next flight.

What the U-2 Takes from INSPlanner

Item	INSPlanner tab	Where it goes in the U-2	U-2 limit
Route	Flight Plan	MFD STAT → LOAD, file ST3 - INSPLANNER or ST4 - INSPLANNER 2, then a DP file	99 DPs
Emergency airports	Zones	File EMER-BULL-ROZ → EMER file	16
Bullseyes	Zones	File EMER-BULL-ROZ → BULL file	10
Restricted operating zones (ROZ)	Zones	File EMER-BULL-ROZ → circles on the MFD map	24
TP scan boxes	Zones	File TD - INSPLANNER → targeting points	10
Charts (LOCAL and NAV)	Charts Export	EFB **Charts** tab → the cockpit sunshade	2 sheets

Names go into the U-2 in capitals, up to 8 characters. The U-2 does not use the waypoint turn settings.

Make a Route

1. Open the **Flight Plan** tab. Type a name in *Flight Plan Name*.
2. Add the waypoints in the order you fly them: click the map, use **Search** (an ICAO or IATA code, an airport, a navaid or a place, then *Add as Waypoint*), or **Add by coordinate** for exact decimal degrees.
3. Correct the route in the waypoint table: ▲ / ▼ move a waypoint up or down, ✥ moves it on the map, × deletes it. **Delete All** clears the plan.
4. Click **Send to Aircraft** (at least 2 waypoints). INSPlanner shows a 6-digit ID.

File menu: *Retrieve from Cloud* opens a plan again from its ID; *Save as CSV* and *Load from CSV* keep a plan as a file.

Load the Route

1. On an MFD press B6 STAT, T5 LOAD.
2. Select ST3 - INSPLANNER (or ST4 - INSPLANNER 2 for a second plan) and press R5 DTAIL.
3. Press L2 PLAN and type the 6 digits on the UFCD keypad.
4. Press L3 FTCH. The points show in the list with their positions.

5. Press R6 LOAD. The status reads LOADED.

With the EFB option *Activate loaded flight plans* on (the default) the route becomes the ACTIVE file at once. If it is off, select the store file on NAV → DPS and press LOAD. See LOAD and DPS.

Zones and TP Boxes

1. Open the **Zones** tab. Type a name in *Zone Plan*.
2. Select a tool: **Airport** (emergency airport), **Bullseye**, **ROZ** or **TP box**. Click the map, or use *Place by airport or coordinates*.
3. A ROZ starts with a 10 NM radius; set the radius and the colour in its line under *Plan items*. For a TP box, hold and drag on the map over the area you want to scan.
4. Click **Send to aircraft** and write down the 6-digit ID.
5. On the MFD LOAD page, load EMER-BULL-ROZ and TD - INSPLANNER with that ID, the same way as the route.

- ROZ colours show as green, magenta or cyan on the MFD map. The U-2 takes a radius up to 255 NM.
- TD - INSPLANNER is gray when no imaging sensor is installed. The TP boxes become targeting points: see Loading a TD File.

Charts on the Sunshade

1. Make the route (and the zones, if you want them on the chart) first.
2. Open the **Charts Export** tab. Fill in the title, the classification banner and the destination points header (track ID, aircraft, date, time). Add procedures and mission remarks if you want them.
3. Under *Detail views*, draw up to six ops areas with **Draw ops area**, or **Add current view**.
4. Click **Generate PNG**, then **Send charts to aircraft**. Write down the 6-digit ID.
5. In the U-2 EFB, **Charts** tab, type the ID and press **Find**. Sheet 1 goes to chart 1 as LOCAL and sheet 2 to chart 2 as NAV.

Sheet	What it shows
LOCAL	The departure and arrival airports and up to six ops areas
NAV	The whole route with its numbered waypoints, the zones, the destination points table, the emergency airfield information and the mission remarks

The charts ID also holds the route: you can load it on ST3 - INSPLANNER too. See EFB, Charts Tab.

If It Does Not Load

Status on the LOAD page	Do this
NO PLAN NUMBER	Press PLAN and type all 6 digits.
ID NOT FOUND or **NO ROUTE DATA**	Check the ID. Send the plan again from the correct tab: a Zones ID does not hold a route.

Status on the LOAD page	Do this
NETWORK / CORS - RETRY LOAD or **TIMEOUT 15 S - RETRY LOAD**	Check the internet connection and press LOAD again.

Related pages: Status Pages (STAT) · Navigation Pages (NAV) · Electronic Flight Bag (EFB) · Targeting Points · Quick Answers

Miltech Simulations U-2. SIMULATION USE ONLY. This documentation describes the simulated aircraft as delivered in the add-on and must not be used for real-world aviation.