

■ TAKEOFF

Runway

1. Increase throttle to full afterburner – 110% RPM. (**[Pg Up]** [incremental] or Keypad **[+]** [smoothly])
2. Rotate (lift off runway) by easing back on the stick at about 250-300 km/hr.
3. When established in a positive rate of climb raise landing gear. (**[G]**)
4. Continue to climb and accelerate until cruise speed and altitude are reached.

Carrier

Do Not Attempt a Carrier Takeoff at Max Takeoff Weight

1. Increase throttle to full afterburner – 110% RPM. (**[Pg Up]** [incremental] or Keypad **[+]** [smoothly])
2. Deck restraints will release automatically at around 105% RPM.
3. Raise landing gear immediately upon clearing the bow. (**[G]**)
4. Ease back on the stick as you clear the bow of the ship.
5. Maintain a positive rate of climb.
6. Continue to climb and accelerate until cruise speed and altitude are reached.

■ LANDING

Runway

1. Set HUD to RETURN mode: **HAB – BO3B** { NAV – RTN } (Toggle **[1]**).
2. Select desired airfield on MFD (**[~]**).
3. Fly to Initial Approach Beacon (IAB) using the HUD Flight Path Marker. (If HUD is inoperative, utilize indicators and arrows on ADI and HSI.)
4. Upon reaching IAB, the HUD will automatically switch to LANDING mode: **HAB – ПОС** {NAV – LNDG} (be within 300m altitude and 2km of IAB for automatic switch to occur).
5. Deploy airbrake (**[B]**).
6. Reduce airspeed to 350 km/h using throttle (**[Pg Dn]** or Keypad **[–]**).
7. Lower landing gear (**[G]**) and flaps (**[Shift] + [F]** or **[F]**).
8. Follow Instrument Landing cues adjusting speed and pitch to remain on glide path and in proper alignment with runway. Control speed with pitch and altitude with power.
9. Begin final flare for landing at 10 meters altitude and an airspeed of 250 km/h.
10. Reduce throttle to idle. (**[Pg Dn]** [incremental] or Keypad **[–]** [smoothly])
11. Release drogue chutes (**[P]**) (Note: Su-27 only.)
12. Steer with rudders (**[Z]** and **[X]**) as required to stay on runway during rollout.
13. Engage wheel brakes (**[W]**).
14. Retract air brake (**[Ctrl] - [B]** or **[B]**).
15. Raise flaps (**[Ctrl] - [F]** or **[F]**).
16. Taxi off of active runway to ramp.

continues...