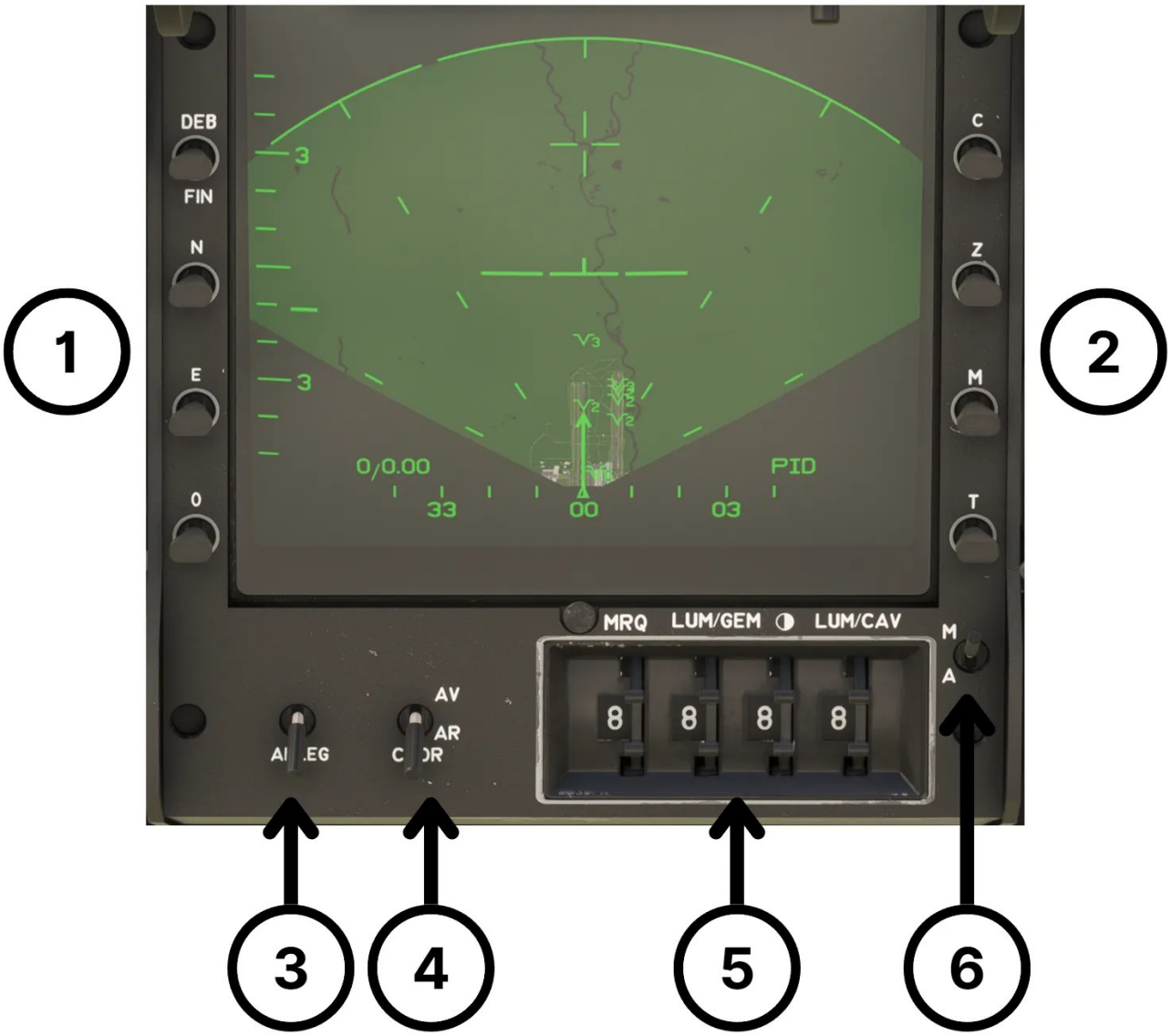
Miltech Fighters: M2K-C

VTB/HDD Display

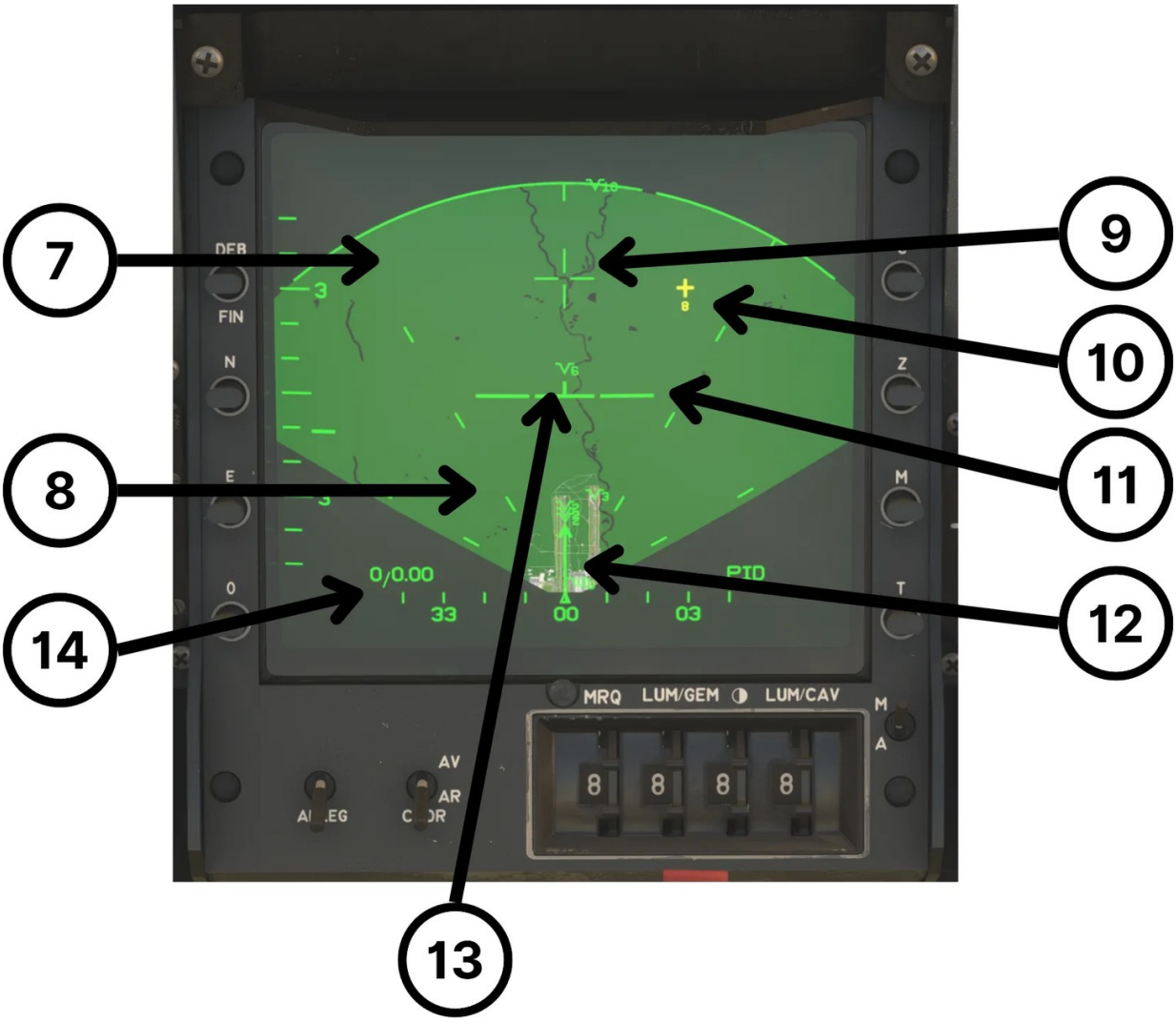
The Visualisation Tête Basse (VTB), also known as Heads Down Display (HDD), displays radar information along with WX, Terrain, navigation, traffic, and aircraft load out.



VTB/HDD Display

1. ▣ **Left Multifunction Buttons**
2. ▣ **Right Multifunction Buttons**
3. **Radar Declutter:** INOP
4. **Radar Mode:** INOP
5. ◉ **Brightness Knobs:** From left to right:
6. Angle Marker Brightness

7. Display Brightness
8. Traffic and Misc. Symbology Brightness
9. Aircraft ADI and Compass Brightness
10. **↔ VTB/HDD Power Switch**



VTB/HDD Display, Symbology and Terrain Mode Enabled

7. **Radar Background:** Three different modes are supported (Terrain, WX and OFF). For more information read Radar Control Unit section below.
8. **Radar Sweep Dashed Lines:** Delimit the radar sweep modes (60deg, 30deg, 15deg). For more information read Radar Control Unit section below.
9. **Cursor:** Currently INOP, but will be used in the future to select and lock into targets.
10. **INS Destination Waypoint:** Destination waypoints are depicted in the map as a yellow cross. Under the icon, the distance in nautical miles will be displayed.
11. **ADI Indicator:** Serves as a digital Attitude Director Indicator with respect to the horizontal line.
12. **Aircraft Velocity Vector and Compass:** The Arrow indicates the forward path that the aircraft will follow, straight forward. Under the arrow, the current magnetic heading is indicated by the compass strip.

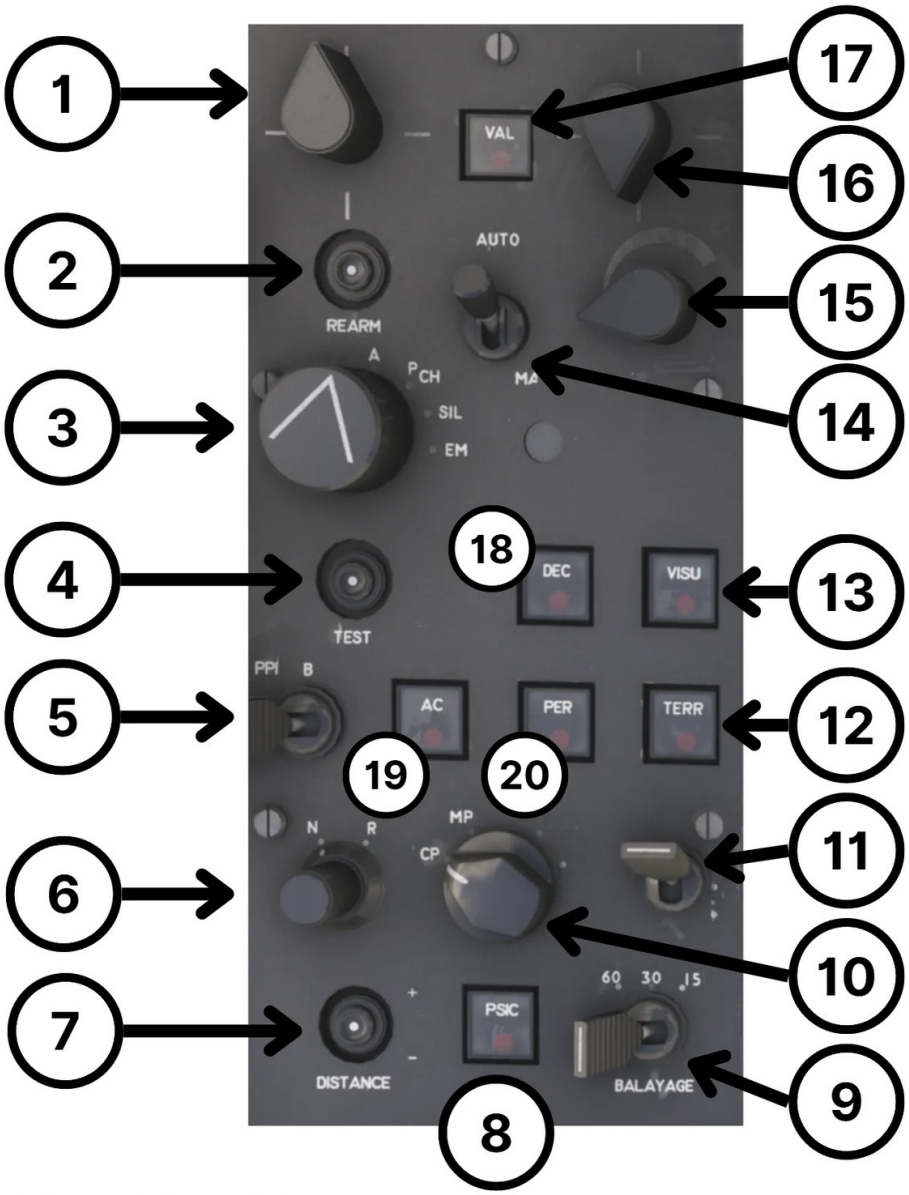
13. **Traffic Sources:** Traffic is displayed on the radar screen as an inverted "V" with a number attached, corresponding to the distance in nautical miles. Traffic will only display if traffic radar is set to ON in the Radar Control Unit. More information below.
14. **Wind Information:** Bearing and speed of wind displayed.



VTB/HDD Display, WX Mode Enabled during Thunderstorm

Radar Control Unit

The Radar Control Unit, located on the left side of the cockpit next to the throttle, controls the VTB/HDD Display.



Radar Control Unit

1. **Dimmer:** Not Modeled
2. **Rearm:** Not Modeled
3. ◇ **Master Selector:** Not Modeled
4. **Test:** Not Modeled
5. **Traffic:** Enables/Disables Traffic Radar, and traffic visualization on VTB/HUD/RWR
6. **Power Mode:** Not Modeled
7. **Rearm:** Not Modeled
8. **PSIC:** Not Modeled
9. **Sweep Mode:** 60/30/15, limits the Radar sweep mode, for all radar modes (Traffic, Terrain, WX)
10. ◇ **A/A Mode Selector:** Changes the VTB mode, from your typical "map mode" to a mode specifically designed for A/A attacks.
11. **Track Lines:** No function

12. **TERR (Terrain):** Enables Terrain Visualization on the VTB display. The terrain will display in green on the VTB if the sampled altitude is equal to or greater than the current aircraft altitude minus a 500-foot buffer. This provides the pilot with sufficient margin to make corrections and avoid a potential collision with the terrain.
13. **VISU:** Enables Weather Radar visualization on the VTB Display.
14. **Mode:** No function
15. **Radar Gain:** No function
16. **Radar Range:** 10/20/40/80, adjusts Range ("zoom") of the VTB Radar Screen
17. **VAL:** When the aircraft is on the ground AND stationary (groundspeed of zero), the VAL Button is used to access the Loads Management menu from where weapons, external tanks and other ordnances can be loaded. For more information, Head-Up Display (HUD)
18. **DEC:** Access Weapons Data page on VTB.
19. **AC:** No function
20. **PER:** No function