Miltech Simulations-Microsoft C-17 Globemaster III

Primary Flight Display

Caution
Please note that starting on Version Number V1.1.15, aggressive performance optimizations have been made, including limiting pages on PFD and MFDs, and mirroring both copilot's FMCs. More information here: NOTAMs



Primary Flight Display

1. **Airspeed Autopilot Mode:** Displays the selected Autopilot Airspeed mode (ATHR ACT, IAS, MACH, etc). The white box displays when Autothrottle is engaged. The active mode will display in the upper box.
2. **Vertical Autopilot Mode:** Displays the selected Autopilot Vertical mode (ALT, VV, etc.). The white box displays when Autopilot is engaged. The active mode will display in the upper box.
3. **Lateral Autopilot Mode:** Displays the selected Autopilot Lateral mode (HDG, ROLL, LNAV, etc.). The white box displays when Autopilot is engaged. The active mode will display in the upper box.

4. **Airspeed Tape:** Displays the indicated Airspeed in Knots. Contrary to most commercial aircraft, the airspeed tape increases moving downwards.
5. **Selected Airspeed:** Displays the selected airspeed in Knots or MACH, as selected on the Autopilot panel.
6. **Heading Indicator/Selected Heading Bug:** Displays the current heading, as well as the selected heading as on the autopilot panel.
7. **Vertical Speed/Radio Altimeter/Decision Height Indicators:** Displays the current vertical speed. Decision Height is displayed as well in blue, as selected in the MCP Panel. Radio Altimeter is displayed, unless BA/RA Mode is switched, in which case Baro altimeter will be displayed.
8. **Altitude Tape:** Displays the current Baro Altitude. If BA/RA is engaged, the tape will display Radio Altitude.
9. **Selected Altitude:** Displays the current Altitude selected as per the autopilot panel. Always in Baro Altitude.
10. **Roll Indicator:** Displays the current aircraft roll attitude, as well as the roll limitations for the current speed/altitude.
11. **ADI:** Displays the current Attitude of the aircraft with reference to the horizon.
12. **Flight Path Vector indicator/Flight Director/Attitude Reference:** Displays the aircraft attitude and direction of travel.
13. ◇ **Screen Brightness Selector:** Cycles through display OFF/Night (Low Brightness Mode) and Day (High Brightness Mode).
14. ◇ **Multi-Function Display Selector:** Cycles through the different pages available on the MFD.
15. **Localizer/Glideslope/Flight Path indicators:** Display the aircraft position in refernece to the glideslope, localizer, selected navaid or flightplan entered.

V-Speed Bugs



V-Speed Bugs displayed on Cyan on the Speed Tape

V-Speeds provide visual airspeed references for takeoff and flight. They are automatically computed by the aircraft computers from the takeoff performance setup on the MSN PRFM page. These display as cyan ticks on the airspeed tape on PFD.

- Vgo (G): Takeoff decision speed when TOGA Mode is selected.
- Vrot (R): Rotation speed when TOGA Mode is selected.
- Vmco (C): Minimum climbout speed when TOGA Mode is selected.
- Vmma (M): Minimum Maneuvering Speed.
- Vapp (A): Approach Speed.
- Vmfr (F): Minimum flap retract speed when TOGA Mode is selected.
- Vmsr (S): Minimum slat retract speed when TOGA Mode is selected.