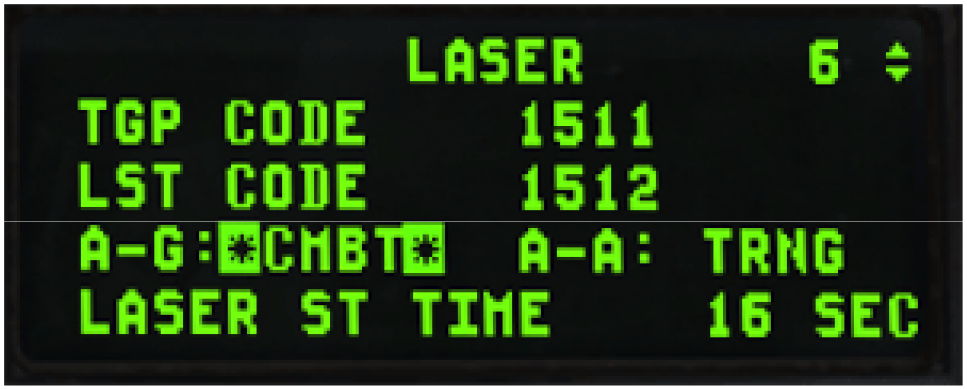
2.8.5. GBU-54/B LJDAM

Gewicht:	509 lbs
Sprengkopf:	explosiv
Sprengstoff:	248lbs HE
Suchkopf:	GPS/Laser
Reichweite:	3 – 15 NM
Preis:	65.700 US-$
Ziele:	Gebäude, Fahrzeuge in Bewegung

JDAM Bomben der GBU-5x Serie haben zusätzlich zu den GPS-Suchern noch die Option mit einem Lasersensor ausgerüstet zu werden. Damit ändert sich die Bezeichnung in LJDAM (**L**aser **J**oint **D**irect **A**ttack **M**unition. Dies ermöglicht es eine JDAM auch gegen sich bewegende Ziele wie Panzer oder Züge einzusetzen. Hier allerdings ergeben sich die gleichen Behinderungen wie sie auch bei den GBU-1x Bomben anzutreffen sind. Ist das Wetter nicht gut genug oder keine freie Sicht auf das Ziel vorhanden bringt die Laserunterstützung gar nichts und die Bombe wird wie eine normale JDAM verwendet.

Next let's check the UFC LASER page (LIST 0 5). The first line TGP Code is where you can change the laser code emitted by your targeting pod. As above to guide a specific weapon you must ensure that the TGP code matches the weapon code. Dobber up until the TGP code is highlighted by the scratchpad and enter the relevant 4 digit code then hit ENTR. (1688 if you chose the in-flight TE and 1511 if you're lead of the ramp TE or 1512 if you are flying the wingman of the ramp scenario).The second line is the Laser Spot Tracker (LST) code. This will allow your TGP to detect and track another TGP's laser spot. We can set it to the TGP code of the wingman (1512). We will come back to this later on.

A-G laser can be set to TRNG (Training) or to CMBT (Combat) mode. A weapon will only guide to a combat laser. Therefore before releasing weapons ensure that the A-G LASER in the UFC page is set to CMBT. Select that line with DCS and once highlighted press any ICP key to toggle it to CMBT. Please note it will flash for a few seconds before displaying CMBT. The A-A laser cannot be toggled to CMBT and the A-G laser can remain in TRNG for simulated drops.



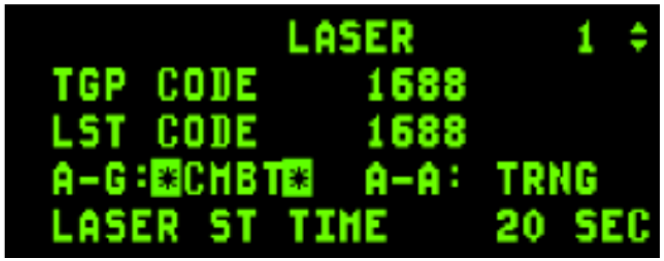
And finally we can also change the default auto laser time. It's normally set at 8 seconds, which is a bit on the short side, so dobber down to that line and enter 16 seconds. That will ensure that the laser will fire for final guidance of the bomb 16 seconds before predicted impact.

The last thing we now need to ensure is that the MISC panel LASER switch is set to ARM. If left to OFF it will prevent the laser from firing and the bombs will not guide and just fall ballistically. Laser status can be double checked in the TGP and the HUD near the master arm indication. A solid L means the Laser is armed. A flashing L means the laser is firing. A solid T means the laser is armed in Training mode. A flashing T means the laser is firing in Training mode.

- LJDAMs are GBU-54 Laser 500 pound JDAMs fitted with both a GPS/INS and Laser guidance kit. They provide increased accuracy, as the laser kit tracks the coordinates of the laser spot. They are suited for either moving or stationary soft skinned targets.

None of these 3 IAMs are documented in this training manual as the release procedures are very similar to JSOWs and JDAMs. Please refer to the TO-BMS1F-16CM-34-1-1 located in your Docs folder for further information about these IAMs.

1.3.16.12.5. LASER page



This page is used to set up the Laser system. It is made of 4 lines. The first sets the TGP code which must match the targeting laser pulse code of the weapon (set in the LOADOUT screen). If the TGP CODE does not match the weapon code the GBU will not guide and will fall ballistically. It is therefore now possible to conduct buddy lasing by inputting the weapon code of your wingman's bombs. The second line sets the Laser Spot Track code. The third line toggles the laser from Training to Combat mode with the M-SEL 0 button. The fourth line sets the laser timer. The targeting laser is fired for final weapon guidance 16 seconds before impact and is DTC loadable. It is advised to set it to 20 seconds and perform manual lasing for moving targets and for Paveway III deployment. For further information please refer to the TO-BMS1F-16CM-34-1-1 SNIPER XR ADVANCED TARGETING POD chapter.

3.4.6.5 ***LJDAM***

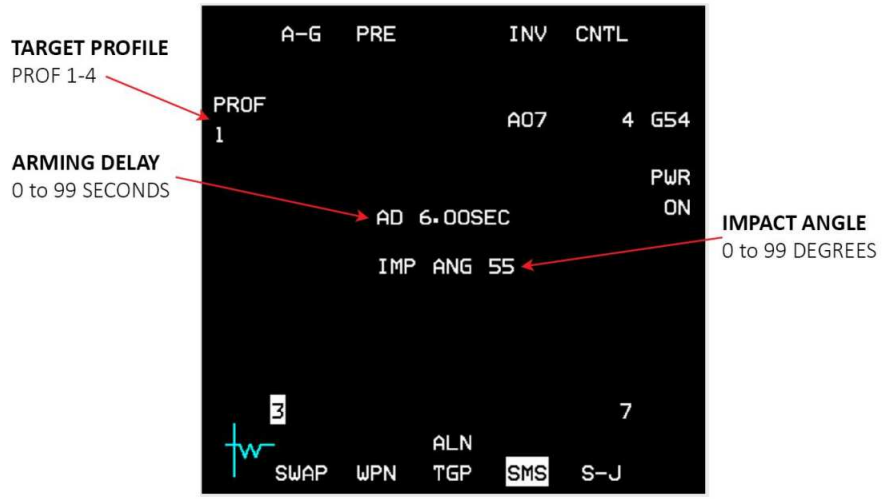


Figure 84 Laser JDAM SMS base page

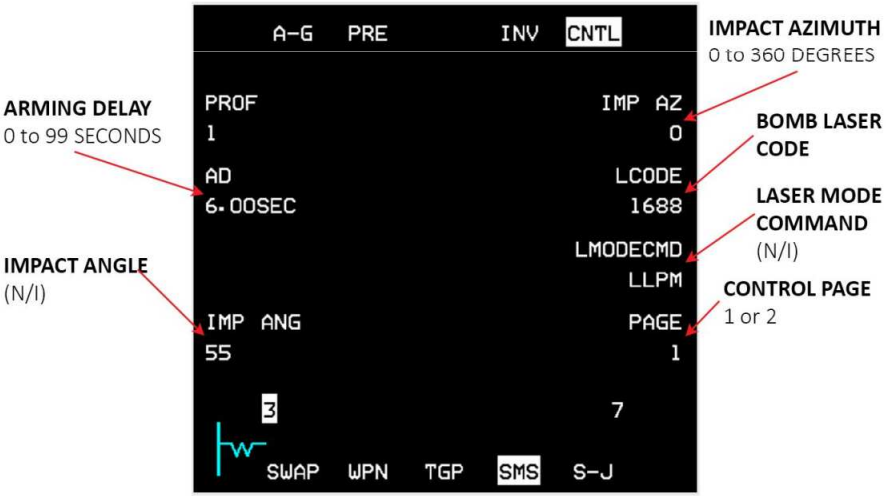


Figure 85 Laser JDAM SMS control page

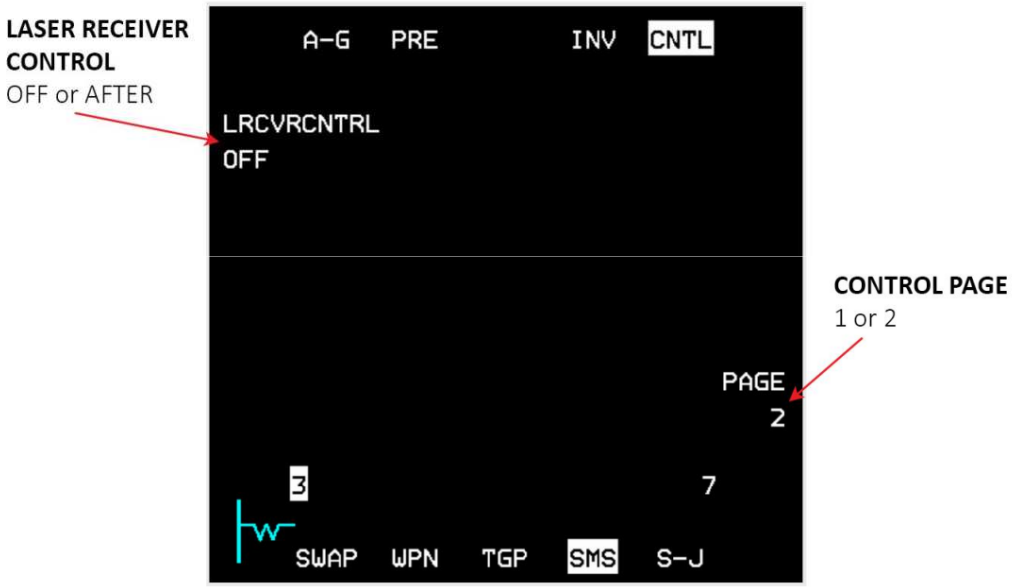


Figure 86 Laser JDAM SMS control page 2

Read: TO BMS1-F16CM-34-1-1