



Air Weapons

BETA 1.0

BETA RELEASE

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Foreword:

This is a companion pack for most of the RKSL Fixed wing Aircraft. But there is no reason it cannot be used for other addons.

The pack is currently very UK centric but it will be expanded to cover more EU and US designed weapons as and when we need them.

Rock

July 2010.

About this addon...

This pack contain 31 discrete models. Representing most of the UK's current air weapons and a couple of EU weapons.

Its a BETA addon and should be regarded as a Work In Progress. Some of the weapons are lower quality than others

Realism

We've tried to make the weapons values as realistic as possible but given the size of ArmA2 and now Arrowhead maps its not practical to have realistic blast radii for weapons so what we've done is take the NATO lethal radius values and divided them by 4.

This is to give the weapons a better chance of behaving as they would do in the real world. E.g.

Real World 1000lb bomb safe distant is 1000m on an open plain. Anything inside 400m will take damage. Anything inside 100m. will be shredded.

ArmA2 World 1000lb bomb safe distant is 250m. Anything inside 100m will take damage. Anything inside 25m is toast.

While we try our best to make everything as realistic as possible we aren't perfect. There will be errors and mistakes.

Please use the [RKSL Bug tracker](#) to report any issues or request features.

Game Compatibility

This addon has been tested in both

- ArmA2 1.07
- ArmA2: Combined Operations 1.53.

And in both single and multiplayer environments.

ArmA2 1.07	OK
ArmA2 : Combined Operations	OK
ArmA2 : Operation Arrowhead (stand alone)	??

Due to a dependency issues Standalone arrowhead users may experience errors due to inheritance issues. We apologise for this but right now its the only way we can maintain ArmA2 1.07 compatibility until the majority of the community switches over to the new platform.

Version History

Version:	Date:	Notes:
BETA1.0	10-07-10	First public release includes: <ul style="list-style-type: none">• Neutral Thermal Maps
BETA0.9I	25-06-10	Internal Build reworked config to fix AI use issues
BETA0.85E	01-06-10	Merged UK and EU packs
BETA0.8I	01-05-10	Added IRST and AGM119 Penguin
BETA0.722E	21-04-10	Paveway IV + Config changes
BETA0.6E	02-02-10	Play Testing version
BETA0.4I	01-11-09	AAM range changes
BETA0.1I	01-08-09	ArmA2 conversion

All versions prior to this were for ArmA1 and VBS2.

Pack Contents

1. 4kg Practice Bomb - NOT USED
2. CLBS Launcher Rack - NOT USED
3. UK 500lb General Purpose Bomb
4. UK 500lb Retarded General Purpose Bomb
 - a. Fired Proxy
5. UK 1000lb General Purpose Bomb
6. UK 1000lb Retarded General Purpose Bomb
 - a. Fired Proxy
7. AGM-119 Mk3 Penguin Anti Shipping Missile
8. AIM-9M Sidewinder
9. AIM-120C AMRAAM
10. AIM-132 ASRAAM
11. ALARM Anti Radiation Missile
12. Pylon Blanker
13. BOL Combined Launcher rail and Chaff/Flare Dispenser
14. Brimstone Anti Tank Missile (Laser only)
15. Brimstone (Dual Mode) Anti Tank Missile (Laser and IR Locking)
16. Brimstone Launcher Rack
17. AGM-84L Harpoon Anti Shipping Missile
18. IRS-T Short Range Air-to-Air Missile
19. LAU-5002 (Faired) - 6 Round CRV7 Pod
20. LAU-5002 (Un-Faired) - 6 Round CRV7 Pod
21. LAU-5003 (Faired) - 19 Round CRV7 Pod
22. LAU-5003 (Un-Faired) - 19 Round CRV7 Pod
23. Litening III Targeting Pod (Dummy)
24. METEOR BVRAAM
25. UK Paveway II 500lb LGB
 - a. Fired Proxy
26. UK Paveway II 1000lb LGB
 - a. Fired Proxy
27. Paveway IV 500lb LGB
 - a. Fired Proxy
28. STORMSHADOW Stand off Cruise Missile
 - a. Fired Proxy

CREDITS

Producer	RKSL Studios (rkslstudios.info)
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Modelling & Animation	RKSL Rock
Textures	RKSL Rock
CPP File	RKSL Rock
Scripting	N/A
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Documentation	RKSL Rock

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- UNN as always for his fantastic scripting and help even at inconvenient times.
- DAR-V lads for Beta Testing so effectively.
- Ballistic09 and Sekra for patiently testing with me the last few weeks.
- Andy Dutton for letting me abuse his contacts.
- Markus G (Luftwaffe) for his support.

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Some things you should understand before you comment:

- **Textures are NOT final.** This is a BETA its not a polished finished version yet.
- **Model Meshes are NOT final.** There are some areas that still need some work.
- **Modification of this addon for any reason is NOT allowed.** You want a change, ask us. ***We will not support "personal versions".***
- The RKSL Weapons pack is **not complete** and is a **work in progress**.
 - 500lb bombs now have a larger blast radius - 35m radius
 - 1000lb bombs have a large blast radius - 50m radius
- Other weapons will be added later

Known Issues:

Air Weapons Pack:

1. 1000lb class bombs were intended for Player use only. The AI can use them but don't be surprised if they take damage in the blast.
2. Stormshadow Standoff cruise missiles etc are currently unscripted. They are just a normal, albeit large, missile.
3. ASMs (AGM-84L Harpoon and AGM-119 Penguin) are also unscripted at this time.
4. Anti Radiation missiles (ALARM) can be used on any type of target. These are also unscripted at this time.

Bibliography

- NATO Weapons Guide
- [Janes Air Launched Weapons](#)
- [Air Force Technology](#)
- [MBDA](#)
- [Official RAF - Website](#)
- [Strategic Air Command Website](#)
- [Federation of American Scientists Website](#)
- [Prime Portal](#)
- [Defense Industry Daily](#)

APPENDIX1 : Class names and Statistics

Description	Weapon	Magazine	Ammo	Laser Lock	IR Lock	Count	Min Range	Max Range	Direct Hit	Indirect Hit	Indirect Range
Pods and Racks											
Pylon Blanker	NA	RKSL_1Rnd_pylonblank	RKSL_pylonblank_ammo			1	N/A	N/A	N/A	N/A	N/A
		RKSL_2Rnd_pylonblank				2					
		RKSL_3Rnd_pylonblank				3					
		RKSL_4Rnd_pylonblank				4					
CRV-7 - 19 rnd LAU-5003 Pod with AFF	NA	RKSL_CRV_lau5003FPodx2	RKSL_CRV_lau5003FPod			2	N/A	N/A	N/A	N/A	N/A
CRV-7 - 19 rnd LAU-5003 Pod (unfaired)	NA	RKSL_CRV_lau5003Podx2	RKSL_CRV_lau5003Pod			2	N/A	N/A	N/A	N/A	N/A
CRV-7 - 6 rnd LAU-5002 Pod (unfaired)	NA	RKSL_CRV_lau5002Podx2	RKSL_CRV_lau5002Pod			2	N/A	N/A	N/A	N/A	N/A
Litening III Targeting Pod	NA	RKSL_litening_Pod_mag	RKSL_litening_Pod			2	N/A	N/A	N/A	N/A	N/A
Brimstone Launcher Rack	NA	RKSL_1Rnd_brimstone_rack_mag	RKSL_brimstone_rack			1	N/A	N/A	N/A	N/A	N/A
		RKSL_2Rnd_brimstone_rack_mag				2					
		RKSL_4Rnd_brimstone_rack_mag				4					
		RKSL_6Rnd_brimstone_rack_mag				6					
Cannons											
30mm Aden Cannon Armour Piercing	RKSL_30mmaden	RKSL_150Rnd_30mmAP_ADEN	RKSL_30mmADEN_AP		Y	150	0	N/A	210	36	3
27mm Aden Cannon Armour Piercing	RKSL_27mmauser	RKSL_150Rnd_27mmAP_Mauser	RKSL_27mmauser_AP		Y	150	0	N/A	210	36	3
Anti Shipping Missiles											
AGM-84 Harpoon Anti Shipping Missile	RKSL_harpoon_Launcher	RKSL_1rnd_harpoon	RKSL_harpoon	Y	Y	1	1000	27000	9500	2400	100
		RKSL_2rnd_harpoon		Y	Y	2					
		RKSL_4rnd_harpoon		Y	Y	4					
AGM-119 Penguin Mk3 Anti Shipping Missile	RKSL_agm119mk3_Launcher	RKSL_1rnd_agm119mk3	rksl_agm119mk3	Y	Y	1	1000	27000	6500	2000	50
		RKSL_2rnd_agm119mk3		Y	Y	2					
		RKSL_4rnd_agm119mk3		Y	Y	4					
Air to Air Missiles											
AIM-9M Sidewinder	RKSL_AIM9Launcher	RKSL_2Rnd_AIM9	rksl_aim9m		Y	2	300	3000	200	85	10
		RKSL_4Rnd_AIM9			Y	4					
AIM-132 ASRAAM	RKSL_AIM132Launcher	RKSL_2Rnd_AIM132	rksl_aim132		Y	2	500	3200	200	85	10
		RKSL_4Rnd_AIM132			Y	4					
IRIS-T Short Range Missile	RKSL_irstLauncher	RKSL_2Rnd_irst	rksl_irst		Y	2	500	3200	200	85	10
		RKSL_4Rnd_irst			Y	4					
AIM-120 AMRAAM	RKSL_AIM120Launcher	RKSL_2Rnd_AIM120	rksl_aim120		Y	2	800	7200	390	65	17
		RKSL_4Rnd_AIM120			Y	4					
		RKSL_6Rnd_AIM120			Y	6					
METEOR BVRAAM	RKSL_MeteorLauncher	RKSL_2Rnd_Meteor	rksl_meteor		Y	2	800	9200	390	65	17
		RKSL_4Rnd_Meteor			Y	4					

Description	Weapon	Magazine	Ammo	Laser Lock	IR Lock	Count	Min Range	Max Range	Direct Hit	Indirect Hit	Indirect Range
Air to Ground Weapons											
CRV7 Rocket - High Explosive Point Detonation	RKSL_CRV7_hepd_Launcher	6Rnd_CRV7_HEPD	RKSL_CRV7_HEPD	Y	Y	6	250	2500	225	40	12
		12Rnd_CRV7_HEPD		Y	Y	12					
		19Rnd_CRV7_HEPD		Y	Y	19					
		38Rnd_CRV7_HEPD		Y	Y	38					
CRV7 Rocket - Flechette Anti Tank	RKSL_CRV7_FAT_Launcher	6Rnd_CRV7_FAT	RKSL_CRV7_FAT	Y	Y	6	250	2500	225	225	20
		12Rnd_CRV7_FAT		Y	Y	12					
		19Rnd_CRV7_FAT		Y	Y	19					
		38Rnd_CRV7_FAT		Y	Y	38					
Brimstone Anti Tank Missiles	RKSL_BrimstoneLauncher	RKSL_3Rnd_Brimstone	RKSL_Brimstone	Y		3	300	6000	1200	800	20
		RKSL_6Rnd_Brimstone		Y		6					
		RKSL_12Rnd_Brimstone		Y		12					
		RKSL_18Rnd_Brimstone		Y		18					
		RKSL_3Rnd_Brimstone_DM	RKSL_Brimstone_dm	Y	Y	3	300	6000	1200	800	20
		RKSL_6Rnd_Brimstone_DM		Y	Y	6					
		RKSL_12Rnd_Brimstone_DM		Y	Y	12					
		RKSL_18Rnd_Brimstone_DM		Y	Y	18					
AGM-65 Maverick	RKSL_MaverickLauncher	RKSL_2Rnd_Maverick	M_Maverick_AT	Y	Y	2	300	18000	850	20	2
		RKSL_4Rnd_Maverick		Y	Y	4					
StormShadow Stand Off Missile	RKSL_stormshadow_Launcher	RKSL_2rnd_stormshadow	RKSL_stormshadow	Y	Y	2	1000	27000	9500	2400	100
ALARM Anti Radiation Missile	RKSL_ALARM_Launcher	RKSL_2Rnd_ALARM	RKSL_ALARM	Y	Y	2	500	7000	800	20	10
		RKSL_4Rnd_ALARM		Y	Y	4					
		RKSL_6Rnd_ALARM		Y	Y	6					
Paveway 2 - 500lb	RKSL_Paveway500Launcher	RKSL_1Rnd_PAVE2_500	RKSL_PAVE2_500	Y		1	500	N/A	7500	1200	35
		RKSL_2Rnd_PAVE2_500		Y		2					
		RKSL_4Rnd_PAVE2_500		Y		4					
		RKSL_6Rnd_PAVE2_500		Y		6					
Paveway 4 - 500lb	RKSL_Paveway4500Launcher	RKSL_1Rnd_PAVE4_500	RKSL_PAVE4_500	Y	Y	1	500	N/A	7500	1200	35
		RKSL_2Rnd_PAVE4_500		Y	Y	2					
		RKSL_4Rnd_PAVE4_500		Y	Y	4					
		RKSL_6Rnd_PAVE4_500		Y	Y	6					
Paveway 2 - 1000lb	RKSL_Paveway1000Launcher	RKSL_1Rnd_PAVE2_1000	RKSL_PAVE2_1000	Y		1	500	N/A	9500	1400	50
		RKSL_2Rnd_PAVE2_1000		Y		2					
		RKSL_4Rnd_PAVE2_1000		Y		4					
		RKSL_6Rnd_PAVE2_1000		Y		6					

Description	Weapon	Magazine	Ammo	Laser Lock	IR Lock	Count	Min Range	Max Range	Direct Hit	Indirect Hit	Indirect Range
Unguided Air to Ground Bombs											
500lb General Purpose Bombs	RKSL_500GPLauncher	RKSL_1Rnd_GP_500	RKSL_GP_500	Y	Y	1	500	N/A	7500	1200	35
		RKSL_2Rnd_GP_500		Y	Y	2					
		RKSL_4Rnd_GP_500		Y	Y	4					
		RKSL_6Rnd_GP_500		Y	Y	6					
500lb General Purpose Retarded Bombs	RKSL_500GPRETLauncher	RKSL_1Rnd_GP_500RET	RKSL_GP_500RET	Y	Y	1	500	N/A	7500	1200	35
		RKSL_2Rnd_GP_500RET		Y	Y	2					
		RKSL_4Rnd_GP_500RET		Y	Y	4					
		RKSL_6Rnd_GP_500RET		Y	Y	6					
1000lb General Purpose Bombs	RKSL_1000GPLauncher	RKSL_1Rnd_GP_1000	RKSL_GP_1000	Y	Y	1	500	N/A	9500	1400	50
		RKSL_2Rnd_GP_1000		Y	Y	2					
		RKSL_4Rnd_GP_1000		Y	Y	4					
		RKSL_6Rnd_GP_1000		Y	Y	6					
1000lb General Purpose Retarded Bombs	RKSL_1000GPRETLauncher	RKSL_1Rnd_GP_1000RET	RKSL_GP_1000RET	Y	Y	1	500	N/A	9500	1400	50
		RKSL_2Rnd_GP_1000RET		Y	Y	2					
		RKSL_4Rnd_GP_1000RET		Y	Y	4					
		RKSL_6Rnd_GP_1000RET		Y	Y	6					