

Sojin DEW- BS LTL

Less than Lethal weapon for personal riot control

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Burning Skin

The Sojin Direct Energy Weapon- Burning Skin Less Than Lethal is a weapon system that pushes the limit to how much pain and shock the body can take and not be lethal. This system can be focused on a single person or switched to a wide lens for an area of effect weapon system to scatter large numbers of human/Meta-humans.

<This thing HURTS. I swear I was being cooked. Had to post this to show all runners

the dreck the corps are building to counter us.> Ghostwalker

The Sojin BS LTL was put through some rigorous testing by Sojin Inc before going into production. It has been donated to several police and security forces for the times that less than lethal force is needed. This amazing new system comes in three different variants; vehicle mounted, long arm, pistol for the individual LTL shot.

This new weapon system is designed for area denial, perimeter security and crowd control by cooking targeted human victims' skin with microwaves until they experience burns and intense pain.

<Wow, they cook the first few layers of skin? I wonder if dermal plating will help.> Questioning Trog

<No, no it doesn't.> Searing Pain

The Sojin BS LTL works by firing a high-powered (100 kW output power) beam of 95 GHz waves at a target, which corresponds to a wavelength of 3.2 mm. The Sojin BS LTL millimeter wave energy works on a similar principle as a microwave oven, exciting the water and fat molecules in the skin, and instantly heating them via dielectric heating. One significant difference is that a microwave oven uses the much lower frequency (and longer wavelength) of 2.45 GHz. The short millimeter waves used in Sojin BS LTL only penetrate the top layers of skin, with most of the energy being absorbed within 0.4 mm (1/64 inch), whereas microwaves will penetrate into human tissue much deeper.



<So these things could be lethal?> Yacco

<No. The power to go lethal would burn out the energy packs, we tried.> Sojin Security

The Sojin BS LTL's effect of repelling humans and Metahumans occurs at slightly higher than 44 °C (111 °F), though first-degree burns occur at about 51 °C (124 °F), and second-degree burns occur at about 58 °C (136 °F). In testing, pea-sized blisters have been observed in less



than 0.1% of ADSojin BS LTL exposures, indicating that second degree surface burns have been caused by the device. The radiation burns caused are similar to microwave burns, but only on the skin surface due to the decreased penetration of shorter millimeter waves. The surface temperature of a target will continue to rise so long as the beam is applied, at a rate dictated by the target's material and distance from the transmitter, along with the beam's frequency and power level set by the operator. Most human, elves, and

dwarven test subjects reached their pain threshold within 3 seconds, and none, not even the biggest trolls and orcs, could endure more than 5 seconds. <I agree. I used one of the test guns on my beat, and it worked every time to break up fights and get people running home.> LS Officer

Like all focused energy, the beam will irradiate all matter in the targeted area, including everything beyond/behind it that is not shielded, with no possible discrimination between individuals, objects or materials. Anyone incapable of leaving the target area (e.g., physically handicapped, infants, incapacitated, trapped, etc.) would continue to receive radiation until the operator turned off the beam. <The young and the handicapped can get

severe burns if left in the area of effect. Gunners need to know when to shut off the beam> Anarchist Paria

Unfortunately, reflective materials such as aluminum cooking foil should reflect this radiation and could be used to make clothing that would be protective against this radiation.<Now we know...> Overthrow Corps!



Luckily, no runner team or civilians that this weapon may be used on, should have these suits. This stimm makes the Sojin DEW- BS LTL one of the best anti-protest, anti-riot weapons in development today.

Sojin DEW-BS LTL (Rifle)

ACC	Dam	AP	Mode	RC	Ammo	AV	Y
6(7)	10S	-5	BEAM	N/A	5	18F	25,000

Sojin DEW-BS LTL (Pistol)

ACC	Dam	AP	Mode	RC	Ammo	AV	Y
5(6)	10S	-5	BEAM	N/A	2	15F	15,000

Sojin DEW-BS LTL (Vehicle mount)

ACC	Dam	AP	Mode	RC	Ammo	AV	Y
15(16)	15S	-5	BEAM	N/A	5	20F	55,000

The Sojin-BS comes stock with the SMART AI and can have a custom AI for an additional 5K. The custom AI adds +1D6 to all shots with this weapon. If using the custom AI it bumps it up to +2D6.

Custom AI also has a personality profile decided upon by the player. The stock AI has no personality.

Rifle comes with 1 hard case, 4 Powerpacks and a charger, sling, wire adapter for Smartlink/Datajack (to get benefits of Smartlink without wireless issues. While connected wirelessly player suffers a -1D6 to all dodge/athletic roles with this weapon.

Pistol has no neg modifier for wireless. It comes with 4 power packs, a charger, and a holster along with the wire adapter.

Vehicle mount is wired for rigger/gunner controls and can't be accessed wirelessly.

Gamemaster Notes:

This weapon is aimed at biological creatures only. There is NO effect on spirits, vehicles, and soldiers wearing Full Armor.

This weapon, as of now, is only fielded by Sojin Security Inc and a few other security contracts as a test run into the less than lethal option. LS and Knight Errant have both decided to not use these weapons as of now other than a few test locations.

If running wirelessly, the AI also adds +1D6/2D6 to all matrix defense rolls for the weapon.