

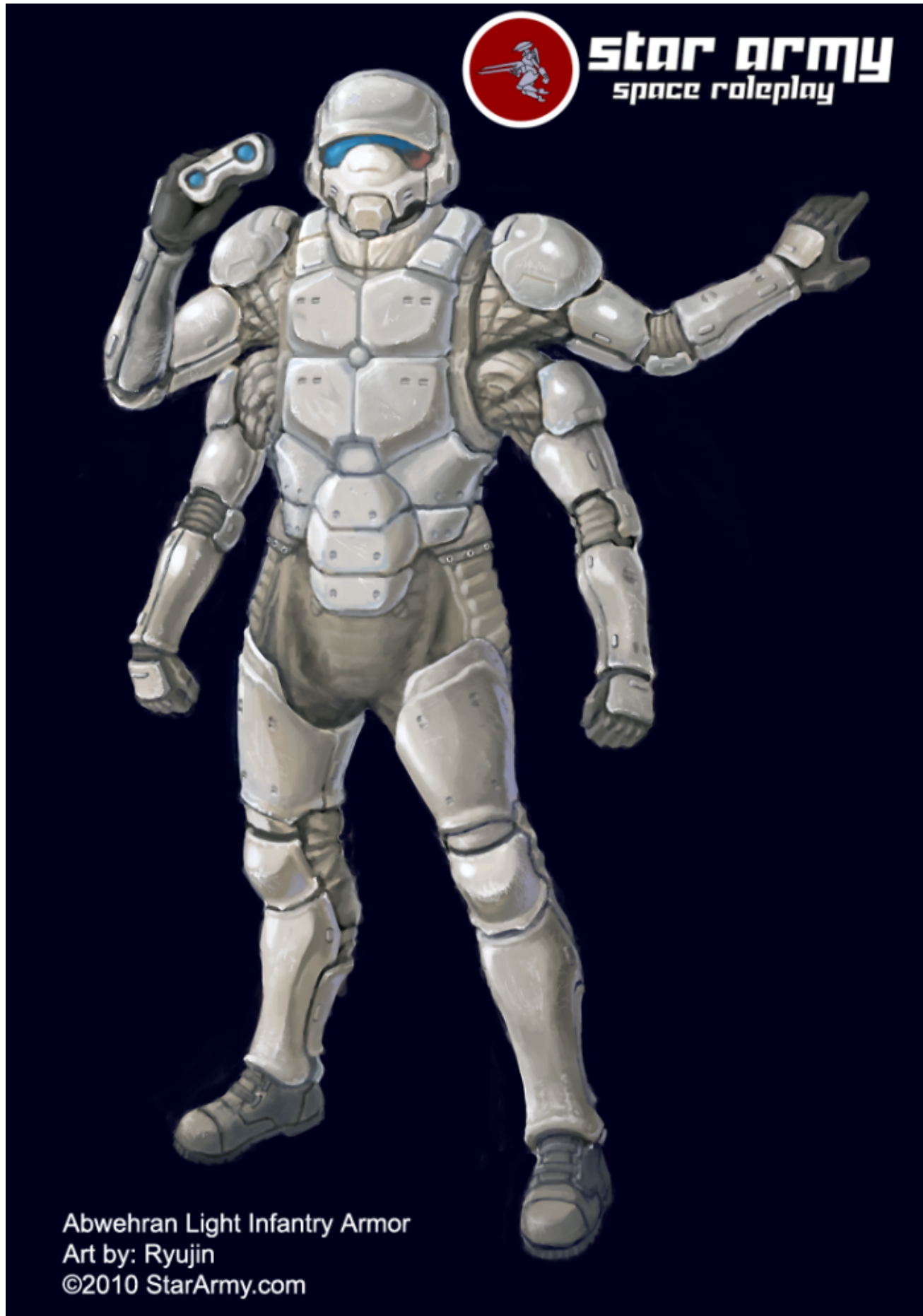
# AAF Light Infantry Armor

For centuries, the [Abwehran Star Empire](#) has been relying on standard projectile resistant vests and flak jackets for their light infantry. It wasn't until the Khorsovaroloran Incident in the later half of AF 259 that a need for better Infantry Armor became a need. So in AF 260 ([YE 32](#)), [Kaiserlich F&E](#) designed a brand new defensive armor on behalf of the Abwehran Armed Forces. Set to be manufactured by [Kaiserlich Waffenerbauer](#), the Light Infantry Armor is probably the most advanced unpowered armor in Abwehran history.

- Designer: [Kaiserlich F&E](#)
- Manufacturer: [Kaiserlich Waffenerbauer](#)
- Role: Light Infantry Battlefield Armor
- Organizations:
  - [Assault Legion](#)
  - [Foreign Service](#)
  - [Schirmherrschaft](#)
  - [Weltraumflotte](#)

## Appearance





# Basic Features

## Armor

The main component of the Light Infantry Armor is the armor, which is designed to be durable yet light enough for infantry to be mobile. The Light Infantry Armor is meant to be worn over a proper NBC<sup>1)</sup> Protection Suit or a [Abwehran Skinsuit Mk II](#), but it can be worn over the standard Field Uniform in times of emergency.

- Damage Rating: 3 Personnel SP

## Body Sheath

The body sheath is a jumpsuit designed to slide over what the person is wearing. The majority of the sheaths construction is using synthetic spider silk woven into two, 2mm think layers. The protection the body sheath provides actually comes from a layer of flexible, carbon-fiber, chain mesh sandwiched between the two layers of spider silk.

## Gloves

Made from the thick hides of the Tyrani, the gloves of the Light Infantry Armor contain durable fiber-optic circuitry with triple-redundancy in the finger tips which allow a direct link connection to touch-based data-links. This is mainly used to allow a soldier to view from a weapons camera sights. A small plate of solid carbon-fibers is sewn onto the back of the gloves to provide some manner of protection.

## Helmet

The helmet of the Light Infantry armor is a rounded, solid carbon-fiber shell with a thick, bullet-resistant, clear plastic visor with a holographic projection capability. This allows a soldier to view data transmitted to them by command or even use the camera view mode of weapon sights like the [MDR-06 Field Rifle's](#) scope. The helmet includes a protective carbon-fiber faceplate with a built in connection to the armor's Life Support Systems as well as a mic for the communications system and a nipple for the water bladder.

## Plating

Attached to the Body Sheath, the Armor's plating is dual-layer protection composed of a upper shell of solid carbon-fiber and an under layer of titanium. While the titanium makes it heavier than just using carbon-fiber only, it provides an extra measure of protection against enemy fire. Some plating contains clip-on points for attachable equipment.

## Plating Locations

- Chest/Back
- Rounded Shoulder Pauldrons
- Bicep/Tricep
- Forearms
- Thighs
- Shins

## Electronic Systems

### Communications

- Short-range Radio: Functioning a lot like [Powered Armor Radio System](#), the Short-ranged Radio system of a Light Infantry Armor is only effective at a range of 3 kilometers.
- Microwave: The Microwave communication system of the Light Infantry Armor is the long-range communications system. With an effective range of 10 kilometers with no assistance, the microwave communication system is much more reliable. With the assistance of a communication tower or orbital relay, it can effectively be planetary in range.

### Computer

The Light Infantry Armor uses a small [CU-23](#) Computer System with no [KIOS](#) to manage all of its systems.

### Detection

- [Imaging Scanner Package](#) <sup>2)</sup>

### Power Source

A small [Nuclear Battery](#) of 2" x 1" x 1/2" (50mm x 25mm x 12mm) dimensions located on the back armor under the Backpack is used to power the Light Infantry Armor. It can be hot-swapped easily with help from a buddy and is rechargeable<sup>3)</sup>.

## Life Support Systems

*edited 01/29/2012* Underneath the Body Sheath of the Light Infantry Armor, a NBC Protective Suit is used as a soldier's life support system. In Spaceship and Boarding Operations, a [Abwehran Skinsuit Mk II](#) is used instead of the NBC Protective Suit and an individual will use the Life Support Systems of that. In case of emergencies when the Light Infantry Armor is worn over an [Abwehran Field Uniform](#), these features will not be available.

## Air Filtration/Supply System

To protect a soldier from the harmful elements of toxic atmospheres and deadly elements of war, the Light Infantry Armor's faceplate comes equipped with an air filtration system. This allows the infantryman to operate in areas that have environmental toxicities and pollutants as well as chemical and biological agents. In areas where a soldier is required to be submerged, the armor automatically shuts the faceplate vents and goes to an internal air supply that lasts 3 hours. This air supply is replenished while the vents are open.

## Cooling and Heating System

A simple water-based system using hundreds of thin tubing throughout the NBC suit is used to manage the internal temperature of the Light Infantry Armor. In hot climates, chilled water is circulated through the tubing to draw the body heat from the soldier and vent it into the atmosphere. In cold climates, a small heater is used to heat the water to keep the soldier warm. Usage of a Cold Weather Uniform maybe used on top of the Light Infantry Armor to provide insulation in much harsher climates.

## Hydration System

A fancy name for what is really just a bladder located underneath the chest armor, this container can hold 4 kilos of water.

## Waste Disposal System

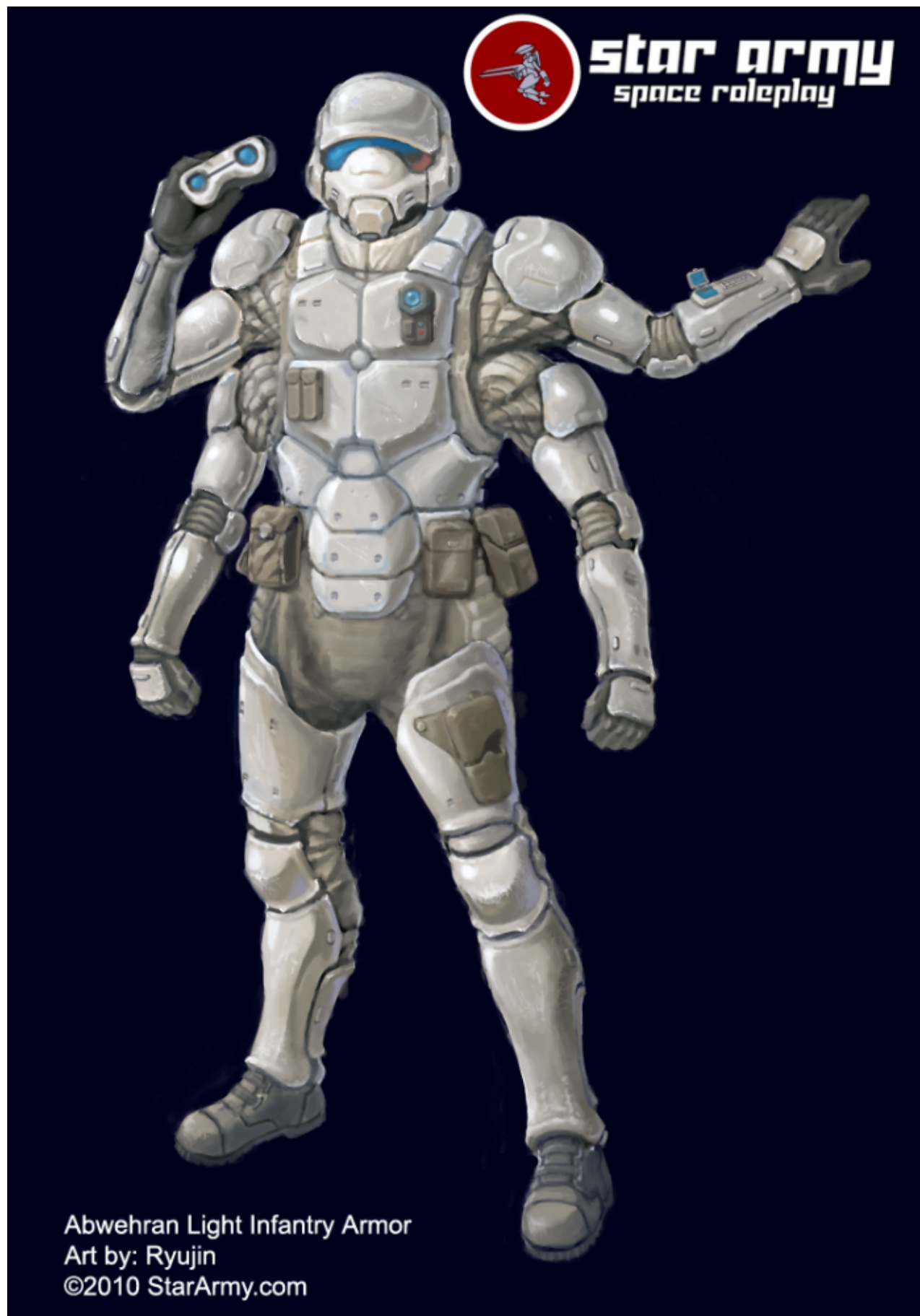
Another fancy name for a rather simplistic system, the Waste Disposal System is merely a catheter and a durable, plastic bag that can hold a days worth before needing to be emptied. In cases of hazardous environments, the storage bag has an disposal tube so wastes can be dumped outside.

## Storage Capacity

A thick, plastic shell of 12" x 20" x 6" (30cm x 50cm x 15cm) Dimensions and a volume of 1440 cubic inches (23,597 cubic centimeters) is used to store and infantryman's supplies. Using a pair of pressure clamps located on the Light Infantry Armor's back armor plate, it can be detached easily with a flip of a switch (which is located on the side of the chest armor).

## Optional Features

*These are separate features that will be submitted for approval*



## Armor Camera



*Attached to breastplate Armor*

A high-definition camera used to record the wearer's situation and send it through an armor's communication system back to the command center on a separate channel. The only time this accessory is not used is during stealth operations, where the signal could probably be traced.

## Binoculars



Specifically designed for use with the [AAF Light Infantry Armor](#), these binoculars can wirelessly link to the armor's visor system to increase visual magnification from five times to twenty times. The Binoculars also have a built-in laser-ranger finder to aid a Marksman's Spotter, which can also work as a laser-designator so infantry can 'paint' targets for close-air support and orbital support.\



## Computer Tool



*Attached to forearm mounting*

A simple tool used for infiltrating enemy computer system or just connecting to a friendly computer system with a wired connection. The Computer tool comes with a thin, fiber optic cable that extends to a maximum reach of 1 meter and holds a number of small connection adapters in a small storage module built-in the device. The device can be operated either a flip, double-screen monitor on the device or via the helmet's display. A small memory cube slot is located on the device to install/download programs and information.

While it's main usage is against computer systems, the Computer Tool can also work as a substitute for a Medic's Palm Computer for reading an allies vitals.

## Magazine Pouch

A simple pouch used for holding the magazines of carried weapons. The size of the pouch is dependent upon the size of the magazine and the pouch only carries Sidearm and Rifle Magazines.



*Attached to Breast Plate of Torso Armor*

## Sidearm Holster



*Attached to thigh armor*

A simple holster made from tyrani leather that can hold any pistol sidearm used by the [Abwehran Armed Forces \(AAF\)](#). This includes the [MDP-04 Service Pistol](#) and the [Standard Energy Pistol II](#), though it could hold pistols of similar size.

## Storage Pouch



*Attached around the waist of the Torso*

*Armor*

Rather a variety of tyrani-leather pouches instead of just a single design, the Storage Pouches are simply there to store items for easy retrieval. This can include maps, tools, and personal items.

1)

Nuclear-Biological-Chemical

2)

Works exactly like the Powered Armor Package

3)

recharger found in an IFV or Air Cavalry Transport

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