Star Army Bunk Bed, Type 40

The Star Army Bunk Bed, Type 40, was developed in late YE 39 by Kage Yaichiro for the Star Army of Yamatai as part of a larger refit program. The Durandium Alloy bed is based on earlier bunks used by the Star Army of Yamatai and has the ability to lift its beds to reveal a desk section when the bunks are not in use. An optional drawer can also be added, and the construction is modular enough to allow for assorted configurations within the limits of the ceiling height available. Two bunks plus a drawer is the most common configuration, though three bunks plus a drawer is used for Ke-P1-08a - Barracks. Two bunk offerings can even shrink down into single-bed form factors allowing for emergency occupancy capability without wasting space.



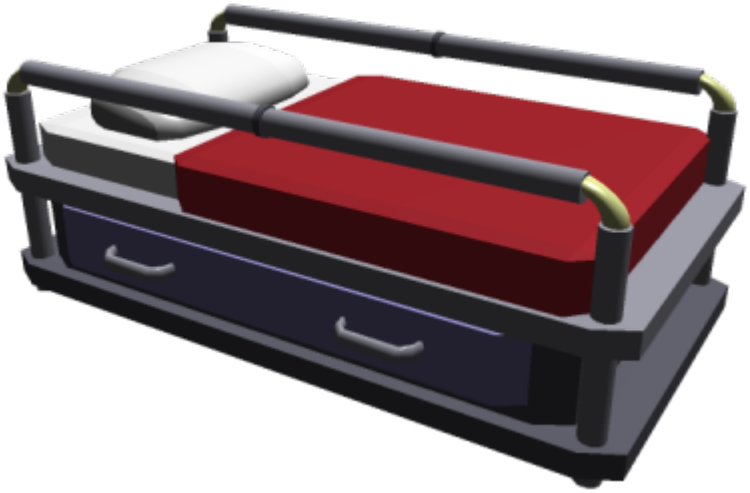
Due to the fact that many Yamataians live in micro-apartments, the design was opened up to the civilian market. Things like dust ruffles or other customizations are a common sight. Not only does the offering save space compared to a separate desk and bunk, but its telescopic supports anchor it to the ceiling and the floor for temporary or permanent deployment as well as retracting for portability if needed. The bed also has a mode for being carried where the telescopic supports become handles.

The Standard Bunk lacks any sort of integrated immersive technology aside from sensors, but can function as an interface with external devices like the VCE Console and still provide a volumetric interface with a communicator or external computer. The Deluxe Bunk can be used for entertainment, virtual reality, telepresence, or other such things with its built-in Virtual Collective Experience and legacy BedNET support(as seen on the Comfort Bed and Civilian Comfort Bed). The Military Bunk adds the capacity for incremental Soul Transfers within certain security and functionality limitations and the ability to communicate over military networks.

Pricing and Components

Due to the modular nature of the bed and the large amount of configurations, assorted options and replacement or supplemental parts are available. These have not only the available price listings, but also the recommended height to leave available for the bed. No known solution with more than two bunks or more than one drawer can use the bed's portability mode.

Whether a bunk is “Standard”, “Deluxe”, or “Military” is based upon the type of Lower Bunk used. The Upper Bunks are all the same.



- *Standard One Bunk and Desk:* 330 KS, recommended height of 0.7 meters
- *Standard One Bunk, Desk, and Drawer:* 450 KS, recommended height of 0.85 meters
- *Standard Two Bunks and Desk:* 500 KS, recommended height of 2 - 4 meters
- *Standard Two Bunks, Desk, and Drawer:* 620 KS, recommended height of 2.25 - 4 meters
- *Standard Three Bunks and Desk:* 670 KS, recommended height of 2.75 - 4 meters
- *Standard Three Bunks, Desk, and Drawer:* 790 KS, recommended height of 3 - 4 meters

- *Deluxe One Bunk and Desk:* 830 KS, recommended height of 0.7 meters
- *Deluxe One Bunk, Desk, and Drawer/Wheels:* 950 KS, recommended height of 0.85 meters
- *Deluxe Two Bunks and Desk:* 1000 KS, recommended height of 2 - 4 meters
- *Deluxe Two Bunks, Desk, and Drawer/Wheels:* 1120 KS, recommended height of 2.25 - 4 meters
- *Deluxe Three Bunks and Desk:* 1170 KS, recommended height of 2.75 - 4 meters
- *Deluxe Three Bunks, Desk, and Drawer/Wheels:* 1290 KS, recommended height of 3 -4 meters

- *Military One Bunk, Desk, and Wheels:* 900 KS military only, basic gurney with height of 0.75 meters
- *Military One Bunk, Desk, and Drawer/Wheels:* 1000 KS military only, basic gurney + storage with height of 0.9 meters
- *Military Two Bunks and Desk:* 1050 KS military only, Standard Issue for 2 - 2.25 meter high decks
- *Military Two Bunks, Desk, and Drawer/Wheels:* 1170 KS military only, Standard Issue for 2.25 - 4 meter high decks
- *Military Three Bunks, Desk, and Drawer/Wheels:* 1340 KS military only, Standard Issue for Ke-P1-08a - Barracks, Option for some 3 - 4 meter high decks

- *VCE Console:* 500 KS, option purchased separately for Standard Bunk
- *Replacement Pole:* 25 KS each
- *Optional Wheels:* 5 KS each
- *Replacement Desk:* 50 KS
- *Optional Drawer Module (connects to Desk, add 0.25 meters for each):* 120 KS
- *Replacement Light (Upper or Lower Bunk):* 10 KS
- *Replacement Lower Bunk (Standard):* 180 KS
- *Replacement Lower Bunk (Deluxe):* 680 KS
- *Replacement Lower Bunk (Military):* Restricted to Military, 730 KS
- *Replacement/Additional Upper Bunk:* 170 KS
- *Dust Ruffle:* 10 KS

Upper Bunks

The Upper Bunk of the bed is the most basic component in the system, which can slide up and down the rails of the bunk. Every Upper Bunk has sensors in it which can interact with the brain of the user in a manner similar to that of the HALO, and the system even employs a compatible cable to connect to a Deluxe or Military Lower bunk or to an external VCE Console. Added sensors are present to add more authentication options depending on the Lower Bunk type which the bed is connected to. Oddly, SPINE support is not present due to the need to allow the person's body to move as they sleep to avoid bed sores. The transfer speeds of the existing system are also sufficient for all foreseen uses. All bunks above the Lower Bunk are meant to be Upper Bunks, but having all Lower Bunks is possible and can be ordered. Each bunk requires a recommended 0.75 meters of clearance.

The VCE Console must be purchased separately for 500 KS if used, and a light meant for the Lower Bunk can be added to the underside of the Upper Bunk for an extra 10 KS each.

Standard Lower Bunks

The Standard Lower Bunk has all the functions of the Upper Bunk and a few more such as the addition of a single light meant to illuminate the desk and some communicator/computer interface equipment. The Lower Bunk can connect to a slotted in communicator or act as a terminal to an external computer. It has a volumetric projector which provides a computer display and input system above the desk if desired, two speakers, a headphone jack, a dual-crystal microphone, and a camera for conventional telepresence functions.

Deluxe Lower Bunk

In addition to having all the functions of Upper Bunks and Standard Lower Bunks; these bunks have devices inside that add functionality for biometric verification, telepresence, entertainment, virtual reality, sleep learning, and networking these immersive processes. These are defined more completely in the appropriate section, but include access to the Virtual Collective Experience and BedNET. Five additional ports for Upper Bunks or HALO exist. It is thus possible to save money on multiple bunks by having every other bunk be a Standard type and connecting them to a Deluxe Lower Bunk.

Military Lower Bunk

In addition to having all the functions of Deluxe Bunks, these include assorted options for verification of identity via a combination of biometrics, a Star Army Communicator, Type 36, a connection to an external military computer, and/or a SACN Access Nodule. They can also access military networks and protocols. These are defined more completely in the appropriate sections.

Telescopic Poles

All four poles of the bunk bed are telescopic from 1.5 to 4 meters long and are made of hollow Durandium Alloy tubing with a Yarvex cable inside, and optionally Molecure Tape or bolts on the ends for mounting on floors and ceilings. This tubing is rounded at the ends, to avoid cutting anyone. It is also segmented, able to unscrew and split into two lengths of 0.6 meters and 0.9 meters at full retraction while still connected by the Yarvex cable. Electrical cabling is also threaded through these poles, to allow the Upper Bunks to connect to the Lower Bunk.

Desk

This is a Durandium Alloy platform which is used for storing items or writing on, and comes with every bunk bed. It has a finish that adds enough friction to make it comfortable for use and increases heat retention to avoid that cold metal feeling when resting one's arms upon it. It is recommended that the bottom of the desk (or drawer under the desk if applicable) remain 0.5 meters above the ground in general use, allowing for the storage of some Star Army Footlockers.

Drawer (Optional)

The Drawer is also made of Durandium Alloy, and can attach above or below the desk. One above the desk provides a replacement surface to use as a desk. They can also be stacked on each other if desired. The Drawer does not thread through the poles of the bed, meaning that having one on the bottom of the desk does not inhibit the portable mode of the bed. Having one above the desk, however, can interfere with portable mode if a bunk is not removed to compensate. Each Drawer increases the recommended total ceiling height of the bunk bed by 0.25 meters.

Wheels (Optional)

The wheels are an optional component intended to be placed either on the bottom of the poles via bolts, or to the sides of the bottom of a drawer that is on the bottom of a desk. They can be locked with a lever brake. If on the poles, the bed can always be wheeled around when the poles are not extended all the way to the ceiling and unlocked. When they are on a drawer, the drawer can be lowered on the poles until the drawer itself is the contact surface with the floor, or rather the wheels it is resting on. Add to this

that the cost of ordering wheels is waived when getting a drawer with a bunk, and it is very popular for bunks with drawers to also have wheels due to this functionality.

Immersion (Deluxe and Military bunks only)

Each bunk has a communicator connection port, a biometric scanner for authentication and body status, and a wireless mind/machine interface with a profoundly short range to avoid crosstalk or interception. Deluxe and Military bunks have computer systems compatible with the Virtual Collective Experience and BedNET protocols, allowing for the development and use of networked simulations and avatars as well as other options such as telepresence and more mature forms of entertainment. The VCE Training system can be used and can even help teach civilian or military skills, though NH-based lifeforms have other options available to them. The VCE Backup is explicitly omitted due to Yamataian law. The system also permits one to use a more powerful external computer such as a Ge-T8-E3103 - Computer Array or an X-type Quantum Computer as a server – be it locally or over typical SYNC or InterNep systems.

Military bunks have similar capabilities, but greater options. They employ additional authentication via the Star Army Communicator, Type 36 or even a SACN Access Nodule. They can use an Isolated Computer Pad or a pair of them in a Ke-T8-E3103 - Computer Array as external servers, though most use the computer systems of Star Army vessels and installations if the Commanding officer permits. Communication is conducted over PANTHEON for military simulations, meetings, or other sensitive telepresence needs.

It is also possible for a superior officer, doctor, or a child's guardian to set a time window and time limit for personal simulations to be permitted. This can be used for purposes of punishment, but is often used for those who lack digital minds who need to allow their brains to take part in the sleep process more fully or to avoid virtual addiction.

Incremental Soul Transfer Backup (Military bunks only)

Military bunk beds used by the Star Army of Yamatai have the ability to, when physically connected to a “trusted” PANTHEON of Compact Integrated Electronics System (CIES) or greater in respect to the Type 33 Star Army Communications Network Encryption System, make incremental Soul Transfer backups in the traditional format. These backups are recorded as a person sleeps, able to record six hours of memory for every hour slept which is slow enough to avoid discomfort or clogging a vessel's bandwidth. At times, a technician with a computer or networking specialization may work with medical staff to process and verify the validity of ST Backups for increased efficiency.

The initiation of a backup requires that the biometrics, the Star Army Communicator, Type 36, any applicable SACN Access Nodule, and a vessel's internal sensors and permissions all show no authentication or permissions problems.

The purpose of this system is to allow soldiers and officers to maintain their ST Backups incrementally rather than overwhelming available medical infrastructure en masse before a dangerous mission or operation. The reduced rate of backup also provides a security measure by keeping the device from

being useful as a fully-featured ST Backup device if captured. Incremental backups are also effective in assignments where personnel may be killed unexpectedly due to hazards or enemy combat. It should be noted that the process is entirely voluntary. These are not considered a replacement for regular normal ST Backups.

Convertibility and Dimensions

The bunk bed uses four posts which can telescope between 1.5 meters and 4 meters long. This permits the bed to extend its posts and anchor itself between the ceiling and floor, providing stability even when not bolted into position during a temporary assignment. It is possible to use Molecure Tape or bolts to further anchor the bed into place. Yet another option is to employ optional wheels with lever brake on the bottom ends of the poles. The beds are typical twin-size beds on 1 meter by 2 meter platforms. These platforms can slide up and down these posts and be safely anchored on them in the form of a standard bunk bed. It is also possible for the beds to be slid all the way upward to reveal a desk. It is possible to add another bunk(upper bunk, typically) if ceiling height allows. This can strain the occupancy of an area, however. It is chiefly included as an option for short term use as well as to maintain compatibility with the existing Ke-P1-08a - Barracks, with the added benefit of being able to compact themselves along with the building. It is popular to install a drawer to either replace the bottom bunk or to add to the entire assembly, provided space allows.





While variable, the typical 0.5 meter height of the bottom of the desk(or drawer if present under the desk) allows for the storage of two Star Army Footlockers plus appropriate foot space and a stowage area for a pair of folding chairs. It can store up to four footlockers without room for anything else underneath.

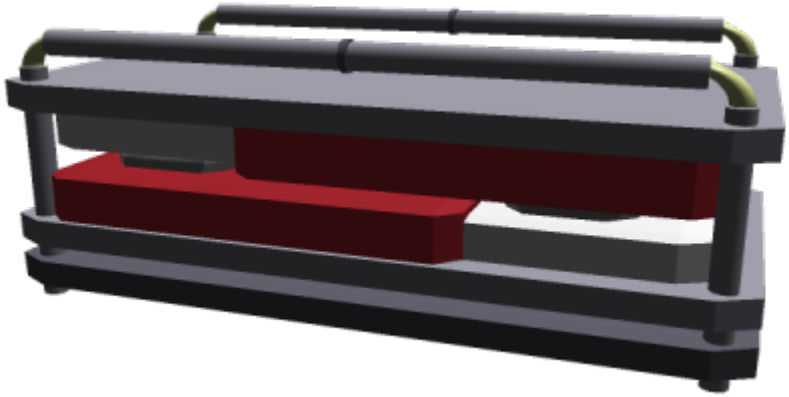


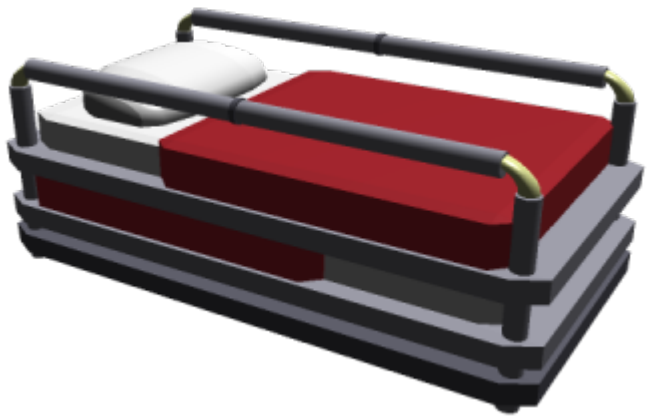
It should be noted that it is possible for the platforms and desk to slide downward as well, to aid the

person in the top bunk in accessing or leaving their bed without a ladder if necessary. This is provided that the desk and lower bunk are unobstructed. While there is a bit of clearance for small items on the desk like glasses, communicators, pens, pencils, paper, or a handgun; there is a need to generally clean off the desk every time the user goes to bed – supporting general cleanliness practices. The bed platforms will not come down all the way if an obstruction is detected, both to protect contents of the desk and the person in the lower bunk.

Portability

The bunks and deck are capable of being compressed even more and, depending on the placement of the top bedding and the configuration, can become portable for two soldiers to carry or even serve as a makeshift gurney or low single-person bed. In this state the poles are retracted to their minimum 1.5 meter height and then unscrewed into two pieces of 0.6 and 0.9 meters each, connected together by a Yarvex cable inside the hollow tubing. The two upper 0.9 meter pieces of each side's posts are then screwed together into a carrying handle for transport. This allows for easy stowage and the carrying of wounded, with the bed shrinking to a height of 0.7 meters. It is 0.75 meters if wheels are on the ends of the poles for maneuverability. It is even possible to put it up against the wall for storage in this form. If there is a drawer under the desk, the drawer will actually extend past the bottom of the poles in this state, making it 0.85m with the bottom of the drawer as the floor contact surface. It is 0.9 meters with wheels on the side/bottom of the drawer. No known solution with more than two bunks or more than one drawer can use the bed's portability mode.





OOC Notes

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Products & Items Database	
Product Categories	interiors
Product Name	Star Army Bunk Bed
Nomenclature	Type 40
Manufacturer	Sunflower Corporation, Yugumo Corporation
Year Released	YE 40
Price (KS)	330.00 KS
Star Army Logistics	
Supply Classification	Class M - EQUIPMENT PERSONAL NONESSENTIAL COMFORT

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