

Chōuryū Subsurface Torpedo/Sensor Platform

A surface/subsurface munition and sensor platform manufactured by [Yugumo Corporation](#), the Chōuryū Subsurface Torpedo/Sensor Platform was designed by [Yugumo Fleetworks](#) and released in late [YE 44](#). Chōuryū (潮流) is [Yamataigo](#) (邪馬台語) for “Tidal Current.”

About the Chōuryū Subsurface Torpedo/Sensor Platform

The Chōuryū Subsurface Torpedo/Sensor Platform gives its host platform unparalleled surface and subsurface standoff, attack, and remote telemetry capabilities.

Chōuryū Subsurface Torpedo/Sensor Platform	
Year Created	YE 44
Designer	Yugumo Fleetworks
Manufacturer	Yugumo Corporation
Name	Chōuryū Subsurface Torpedo/Sensor Platform
Nomenclature	See Nomenclature Catalog
Type	Surface-Subsurface 🌐 Torpedo Platform
Role	Semiautonomous munition and sensor platform
Production	Mass Production

History

With the development of the [Umikagami Subsurface Operations Suite](#), in [YE 44](#), the subsurface operations it enabled required appropriate weapons and remote sensor capacity. As a modern guided munition is essentially a drone with a self destruct, it was natural to combine the two missions into a single platform capable of carrying out both. This system was first deployed by [Yugumo Corporation](#) aboard the [Misha-Class Explorer](#), the *[ISS Shiori](#)*.

Appearance

The Chōuryū launch platform itself is contained within the hull of the host ship and its appearance is highly dependent on the implementation, being a system of tubes, valves, tanks, and pumps.

A Chōuryū torpedo is a sleek, [Durandium Alloy](#) cylinder, tapered at both ends. The front is a rounded [ogive](#) 🌐 that contains the warhead, sensors and [supercavitating shield emitters](#). At the rear is the thrust vectoring engine and retractable, steerable guidance fins.

Discharge Information

Besides launching a Chōryū torpedo, other aspects of the discharge depend on firing mode:

- Muzzle Flash: A plume of fluid and bubbles in impulse mode, none in swim-out mode.
- Retort: Displaced water in impulse mode, none in swim-out mode
- Effective Range: Dependent on munition
- Rate of Fire: By launch system implementation
- Recoil: Significant in impulse mode, negligible in swim-out mode.

Ammunition

A system that can launch the larger torpedo is generally capable of launching both, though exceptions exist, particularly for surface or air deployed applications.

- Ammunition: [Chōryū Torpedo, Heavy](#)
- [Purpose](#): Standoff Weapon (Tier 9, Heavy Anti-Mecha)
- Round Capacity: By launch system implementation.
- Ammunition: [Chōryū Torpedo, Light](#)
- [Purpose](#): Close Attack Weapon (Tier 6, Heavy Anti-Armor)
- Round Capacity: By launch system implementation.

Chōryū Torpedo Damage Quickchart	
Type	Purpose
Chōryū Torpedo, Heavy (Yu-Z1-1A)	Standoff Weapon (Tier 9, Heavy Anti-Mecha)
Chōryū Torpedo, Light (Yu-Z1-2A)	Close-Attack Weapon (Tier 6, Heavy Anti-Armor)

Weapon Mechanisms

Torpedoes, if not dropped from an airborne or surface weapons rack, may be launched in either impulse or swim-out mode. In impulse mode, the tube is flooded with pressurized water, driving the torpedo out at high speed so that it may safely engage its primary propulsion sooner, or in swim-out mode, where the torpedo exits the tube under low-power for a quieter, stealthier launch.


- Firing Mechanism: Dependent on launch platform implementation
- Loading: Dependent on launch platform implementation
- Mode Selector: Realtime onboard intelligence or launch command
- Firing Modes: Swim-out or impulse launch
- Weapon Sight: Onboard and remote guidance

Usage

This weapon is launched from an appropriately sized torpedo tube (see [Nomenclature Catalog](#)) or weapons rack (such as dropped from an aircraft or surface ship). When fired, the Chōryū activates its primary drive system. At that point, the onboard [KAIMON](#) system carries out the orders given. Controlling

this munition requires a platform equipped with the [Umikagami Subsurface Operations Suite](#).

A typical  [subsurface vehicle launch platform](#) operates as follows:


1. The round is loaded.
2. The tube is sealed.
3. The tube is flooded with the surrounding water or other medium, venting atmosphere, until the pressure inside it is equalized with the surrounding medium.
4. When the pressures are equal, the tube is opened.
5. The torpedo may “swim out” using its  [MHD](#), or be forced out with a water ram (“impulse mode”).
6. The tube is closed, drained, and dried for the next shot.

Pricing

Pricing for this system is independent of implementation. Implementations large enough to launch the larger torpedo are capable of launching both.

- Chōuryū Subsurface Torpedo/Sensor Platform (Yu-XX-4500): 12,500KS

Replaceable Parts and Components

Specific launcher systems components vary and are generally bespoke to the host platform's class. Components for [Yugumo Fleetworks](#)  [subsurface launch systems](#) (see [Launcher Nomenclature](#)) are described below:

- Breech/Tube/Muzzle Assembly, includes Vent, Blowoff, and Equalization Valves (Yu-XX-W4500-F1): 3200KS
- Water Ram Pump/Slide Valve/Tank Assembly (Yu-XX-W4500-P1): 2250KS
- Flood/Drain Pump/Valve/Tanks Assembly (Yu-XX-W4500-V1): 2000KS
- Power, Pump, and Valve Control System Unit (Yu-XX-W4500-E1): 1200KS

Ammunition

Ammunition is listed per round, by size.

Chōuryū Torpedo Price Quickchart	
Type	Price (each)
Chōuryū Torpedo, Heavy (Yu-Z1-1A)	5000KS
Chōuryū Torpedo, Light (Yu-Z2-2A)	3000KS

Nomenclature Catalog

Catalog of [Standard Product Nomenclature System](#) implementations for this system, by platform:

Platform	Nomenclature
Misha-Class Explorer (1C)	Yu-Y1-W4500

OOC Notes

Yuuki created this article on 2022/12/18 11:17. [Approved here](#) by [Wes](#).

Products & Items Database	
Product Categories	subsystems, weapons: torpedoes
Product Name	Chōuryū Subsurface Torpedo/Sensor Platform
Nomenclature	See Nomenclature Catalog
Manufacturer	Yugumo Corporation
Year Released	YE 45
Price (KS)	12,500.00 KS
DR v3 max	Tier 9

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