

Patriot3 Jetboots

The Patriot3 Jetboots is a patented, thigh-mounted diver propulsion system engineered for combat swimmers, reconnaissance divers, and maritime special-operations units.

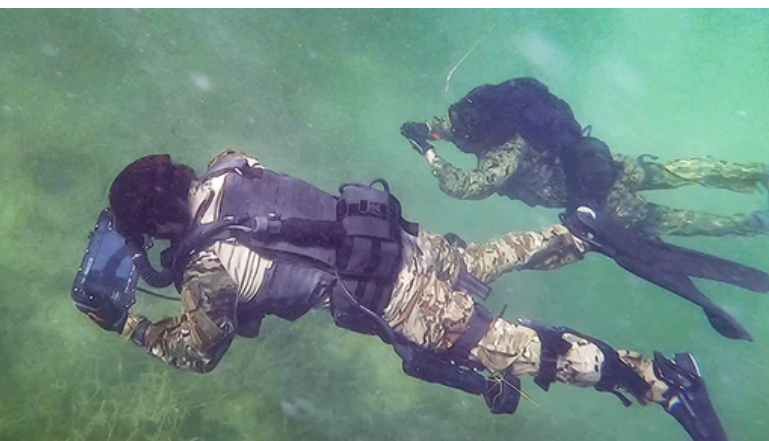
The system uses brushless electric thrusters and lithium-ion batteries to deliver hands-free underwater propulsion, significantly enhancing diver mobility, reducing physical exertion, and enabling extended-range or stealth insertion compatible with standard military dive gear.

Currently in service with the Australian Defence Force, Jetboots provide a proven capability boost for maritime operations.



FEATURES

- Hands-free propulsion via mounted thrusters , diver free to use hands for mission tasks.
- Low-noise brushless motors for stealth approach.
- Thrust system comprised of hermetically sealed magnetic-coupling drive and hydrodynamic duct with protected propeller. Robust for maritime operations.
- Custom lithium-ion battery, hot-swappable underwater, depth rated to 300 ft (~ 100 m).
- Adjustable harness/MOLLE-mount harness system integrates control-box, thrusters and battery to diver's gear configuration; quick-release for emergency drop-out.
- Buoyancy Compensation Kit included to offset system weight underwater when thrusters inactive.
- Runtime up to 1–6 hours (depending on battery variant and thrust setting) suitable for long dives or infiltration missions.
- Compatible with standard issue military dive gear and common diver harness/BCD systems.





SPECIFICATIONS

- **Thrusters:** Dual brushless-motor thrusters, hard-anodized aluminum housing with ducted nylon propellers protected by stainless-steel mesh.
- **Depth Rating:** 300 ft (\approx 100 m) operational depth rating for battery & thruster unit.
- **Battery:** Custom lithium-ion, hot-swappable underwater, UN-tested/approved under regulations for transport.
- **Control Module:** Ruggedized waterproof aluminum control box with thrust control knob, power switch (LED light can be switched off for stealth), and battery state-of-charge indicator.
- **Harness:** Adjustable back-brace / waist belt system with MOLLE mounting for all components; quick-release buckles for emergency removal.
- **Buoyancy Compensation:** Included foam/bladder B.C. kit to offset weight of Jetboots when submerged.
- **Runtime:** Up to 6 hours depending on battery capacity and thrust settings.
- **System Components:** Dual thrusters, control box, lithium-ion battery, harness (belt/back-brace), buoyancy compensation kit, battery charger, spare parts kit, waterproof transport case.



OPERATIONAL INFORMATION

- **Certifications / Approvals:** ANU / AMU-certified by U.S. Department of Defense; globally fielded by multiple NATO and allied special-forces maritime units.
- **Compatibility:** Configurable to standard combat dive gear; harness system allows mounting alongside rebreather, tanks or other mission equipment.
- **Maintenance & Logistics:** Supplied spare parts kit; recommended periodic maintenance using dedicated Hub Maintenance Tool Kit for propeller/drive upkeep; hot-swappable battery minimizes mission downtime.
- **Operational Roles:** Ideal for covert infiltration, reconnaissance, patrol, search & rescue, hull inspection, rapid maritime insertion/extraction, and diver delivery tasks.
- **Servicing & Management:** In-country service and maintenance support offered through Apollo Australia.

JETBOOTS SYSTEM INCLUDES

DUAL KNOB CONTROLS

The Control Box is a ruggedized waterproof aluminum enclosure that controls the power and speed of the Jetboots system. The Control Box includes a power switch, adjustable thrust knob and a LED battery state of charge indicator light with mounted cover. The power switch allows the ability to turn off the LED light during covert operations.



POWERFUL THRUSTERS

Jetboots Thrusters contain heavy duty brushless motors protected by a hard anodized aluminum housing. Thrust is achieved by a hermetically sealed magnetic coupling drive and a durable nylon propeller that is protected by a stainless steel wire mesh and a hydrodynamic aluminum duct.



LITHIUM ION BATTERY

Jetboots are powered by a custom Lithium-Ion Battery designed specifically for the Jetboots System. The Battery is hot-swappable underwater and rated to 300 ft ocean depth. Each Jetboots Batteries are UN Approved in compliance with IATA Dangerous Good Regulations.



ADJUSTABLE HARNESS SYSTEM

Back-braced MOLLE harness mounts the control box, thrusters and battery in a modular layout. Components can be repositioned to suit diver setup. Quick-release buckles enable emergency removal. Includes removable buoyancy compensation kit.

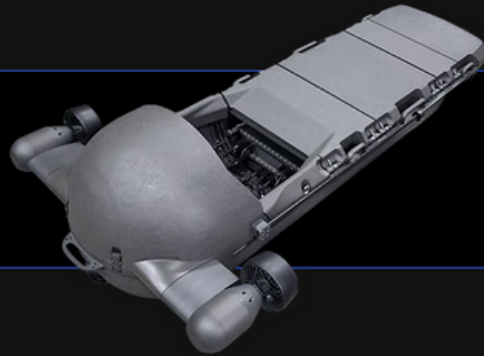


TRANSPORT CASE & SPARE PARTS

Each Jetboots system includes a waterproof Pelican Storm case for protected transport. Supplied with a spare parts kit in a compact Pelican case for essential system maintenance.

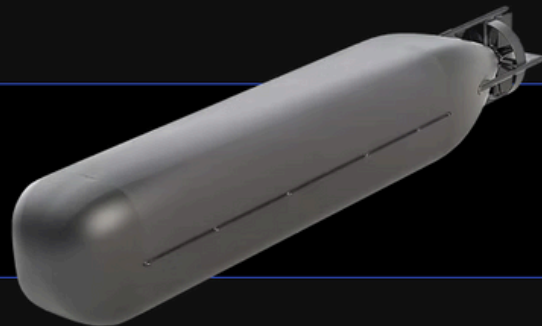


JETBOOTS
NAVIGATION



ARON M80
WING IN GROUND

HERCULES
LBUUV



MICRO
NAVIGATION
BOARD