

The 2K1T Parachute is a low cost, one time use ram air parachute designed to be used with the 2K FireFly® Airborne Guidance Unit (AGU). The 2K1T Parachute is delivered to the user pre-packed. To place the system into operation, the user only needs to attach the 2K1T canopy to the FireFly AGU, rig the system to a payload, enter in the Gross Rigged Weight of the system, and program the location of the Impact Point.

The 2K1T Parachute provides greater operational flexibility to commanders in the field, as it does not need to be recovered, thus reducing the equipment cost of delivering supplies using GPADS. The 2K1T Parachute has the same technical performance and capability as the FireFly® parachute. It can be used as a direct replacement, should operational constraints dictate that the FireFly® parachute (designed for up to 20 drops) cannot be recovered immediately for re-packing or proper storage.

The 2K FireFly® system enables delivery of payloads to a pre-defined location on the ground from altitudes up to 17,500 feet above mean sea level (AMSL). It can carry up to 2,400 lb (1,089 kg) and glides up to 20 km after being dropped to land within 150 meters of a designated Impact Point (IP). The FireFly® has been fielded by the U.S. Army as part of the JPADS 2K Program and is in service in current operational theaters delivering supplies and equipment to forces in remote locations.

Ease of Use and Flexibility

The 2K1T Parachute is supplied to the field packed ready for deployment and requires only simple rigging to the payload. The 2K1T Parachute is designed to be used with the 2K FireFly® AGU. The 2K FireFly® uses the same system architecture with respect to user interface and rigging as the entire family of Airborne Systems GPADS products.



2K1T Parachute Technical Advances

- Innovative use of fabric material and construction methods
- Same high performance as the 2K FireFly® parachute with a lower cost of equipment
- Eliminate maintenance and rigger support, as the system is delivered with the parachute packed and ready for deployment.

Compared to the 2K parachute for FireFly®, the 2K1T Parachute has identical performance, lower cost, no maintenance, no spares, and minimal training requirements.

2K1T Parachute Technical Data

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| Payload Capacity GRW | 750 lb to 2,200 lb (340 – 998 kg) |
| 2K1T Parachute Weight | 72 lb (32.7 kg) |
| Opening Shock (Max) | 4.5 g's |
| Max Release Altitude | 17,500 ft AMSL |
| Min Release Altitude | |
| Operational Use | 5,000 ft (1,524 m) AGL |
| Training Use Only | 3,500 ft (1,066.8 m) AGL |
| Max Glide, L/D (no wind) | 3.25 : 1 |

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