



1 SAFETY RULES

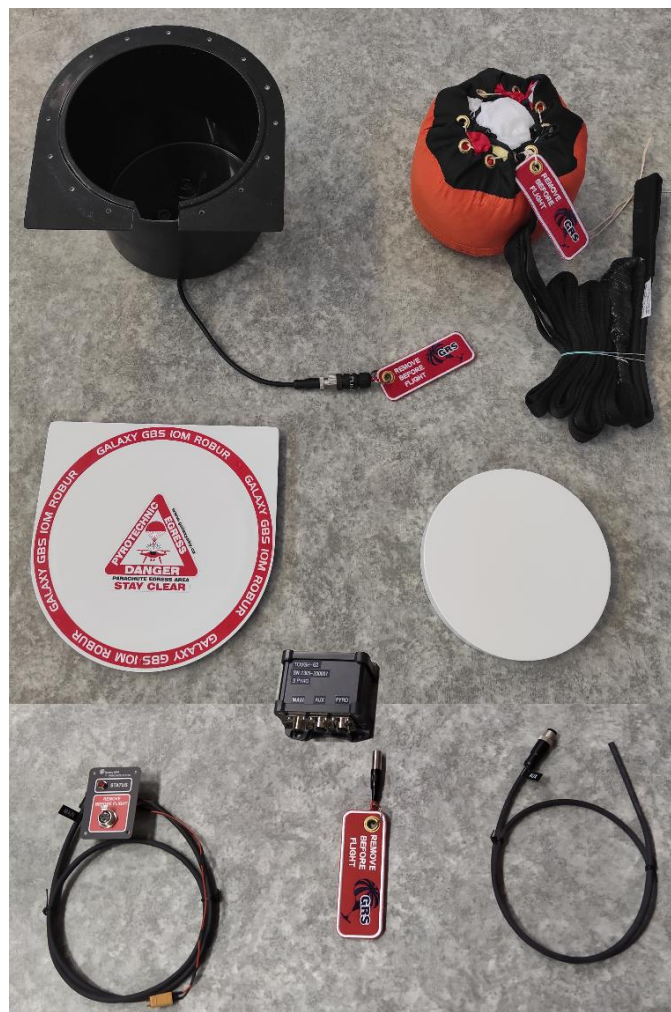
When handling the system and also during its use always pay increased attention and observe following **SAFETY RULES**. Their omission or failure to comply with may result in the bodily injury or property damage.



- Before handling the ballistic rescue system always disconnect the power source.
- Before handling the ballistic rescue system always lock the system by means of shorting fuse.
- Ballistic rescue system prepare for operation just prior to take-off. In case you want to manipulate with system, disconnect the power supply and repeat the initialization procedure.
- During system charging always use protective glasses and gloves.
- Check the entire system before the power source is connected.
- Never lean over the container with the pyro-actuator.
- Never point the container with the pyro-actuator either against any living person or against yourself.
- Before flying trigger the system by pulling out the shorting fuse.
- Pay increased attention during the flight.
- Lock the ballistic rescue system by means of the shorting fuse after landing. Then disconnect the power source.
- Always lock the ballistic rescue system by means of the shorting fuse during storing.
- Always lock the ballistic rescue system by means of the shorting fuse during transportation.
- The shorting fuse is the only and safety way how to prevent an intended or unintended system activation (launching the emergency parachute).
- Do not operate the system in close vicinity of potentially explosive area, for example, gas pipelines or gas storage, etc.



- **The manufacturer is not liable for any damage caused by improper handling!**
 - **The product, when properly installed and when used in compliance with the procedure for handling and storage, reduces significantly the likelihood of UAV and airborne equipment damage in case of UAV drive or remote control failure. In any case the user is not entitled to infringe legislative restrictions for the operation of unmanned aviation vehicles, for example, in densely populated areas, etc. Even despite the small planned impact energy the product is not capable with 100% probability to prevent any damage caused by the unmanned aerial vehicle crash. Observe the national legislation for the operation of your UAV. GBS 10 product is based on using the latest technology and components applied in aerospace, space and automotive industries. Like an airbag in a car reduces significantly the consequences of eventual traffic accident, but is not able to prevent injuries in all cases and does not entitle the driver not to obey the law, the GBS 10 system enhances security payload in your UAV and reduces the risk of damage during the fall. The system, however, is not able to completely prevent any damage or injury, and the manufacturer is not liable for them.**
- **Galaxy Holding s.r.o. as a seller is not liable for any damages or injuries resulting directly or indirectly from the use of this product, or any other possible damages arising from the fall or operation of the unmanned aerial vehicle!**



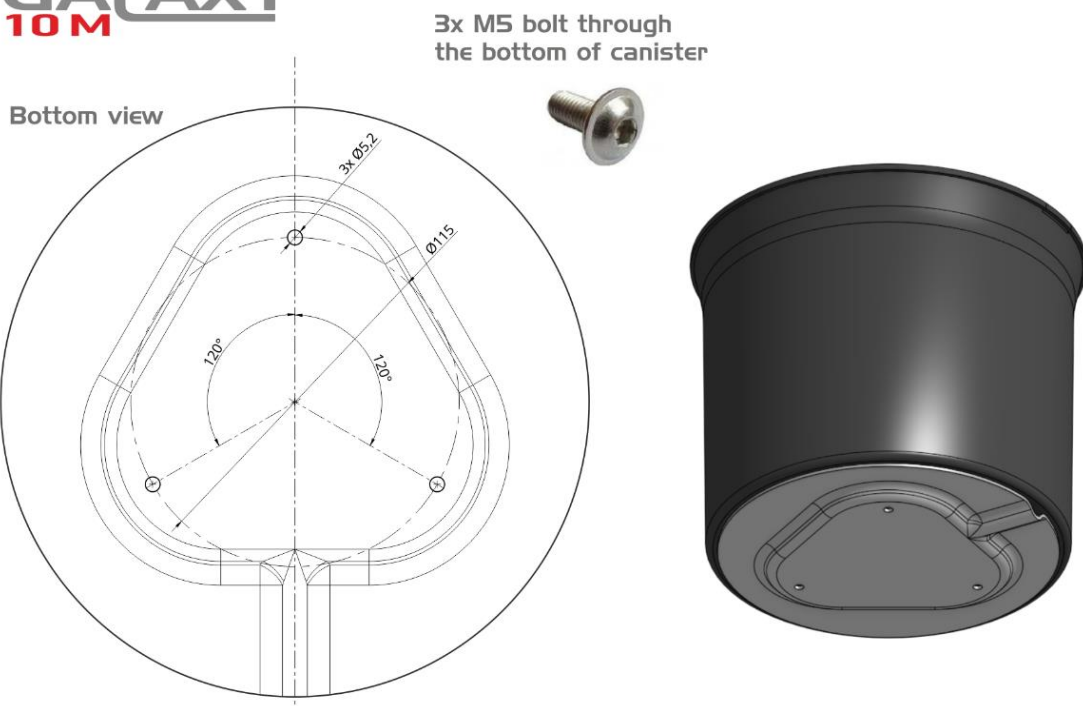
- 1) **Unpack the system, keep the safety fuse connected to the cable going from the bottom of container**



- 2) **We recommend to attach the canister by 3 bolts, make holes according to the picture below. It is good to cover pins for pyroactuators by sticker during drilling. It is needed to consider the effect of pyrotechnic device during activation. Consider the installation of the sensitive electro devices just under the bottom of the canister. Canister should be placed on rigid plate.**

**GALAXY
10M**

ATTACHMENT HOLES





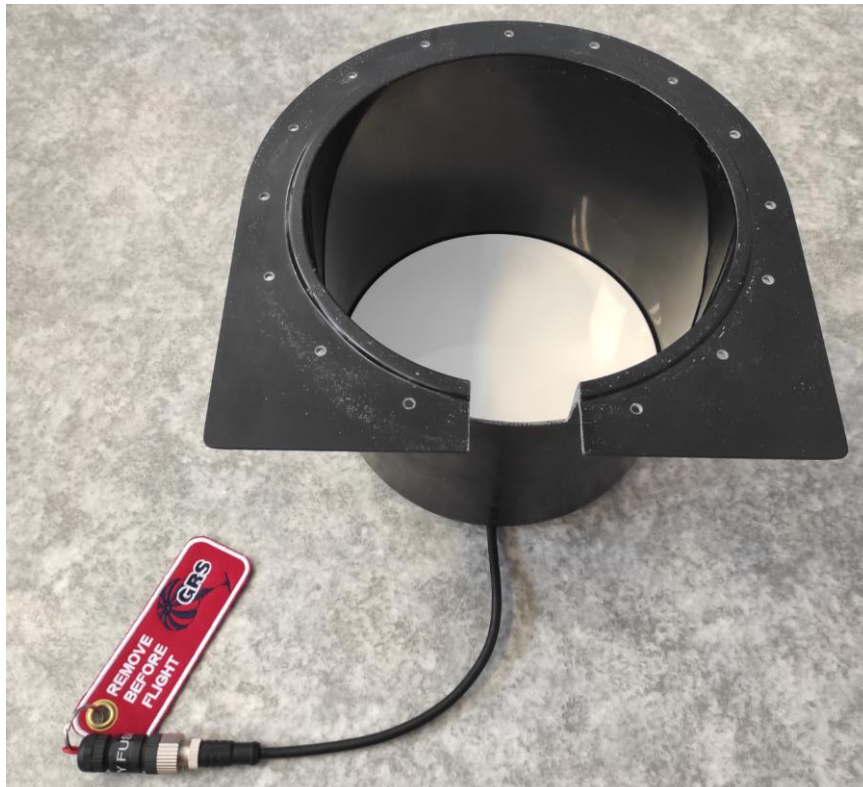
- 3) After container is attached to the support, insert 3x pyroactuator (TYPE GST-63) into the pins, prepared on the bottom of container. **USE SAFETY GLASSES AND SAFETY GLOVES !**



Canister is still secured by safety PIN !



4) Insert the piston over the pyroactuators



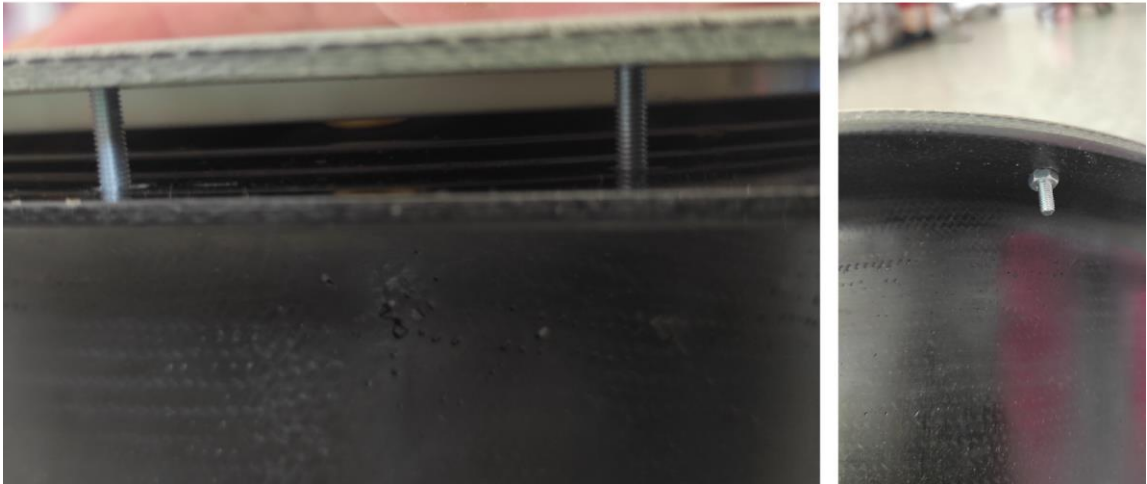
- 5) Insert the parachute assembly inside the canister. Match the orientation of the main parachute belts with the groove on the canister.



- 6) REMOVE THE TRANSPORT KEVLAR ROPE WITH RED FLAG COMPLETELY!!!



- 7) Immediately after removing of kevlar rope with flag, put a fiberglass cover over the parachute canister and attach by M4 bolts around the perimeter. Check that no part of parachute assembly is squeezed between the fiberglass cover and parachute container. After tightening, put a red ring sticker with warning sign over the bolts.



- 8) The Outside part of parachute belts fold into fabric cover and attach by velcro system on the place where belt exits the container, or place the the belts to prepared channels, going to the parachute hang point



- 9) Install the Electronic controller TOUGH G2 and test the proper function of connection by TRAINING SET. If all is working, secure the TOUGH G2 unit by inserting the SAFETY PIN in the control panel, remove the safety pin from the parachute container and connect the container with the control unit TOUGH G2. Now the system is ready to be used.
- 10) After system is used, must be send to Galaxy (parachute only) for repacking. Repacking possible only by Galaxy as special tools needed. In case you want reload system right after usage, buy spare Refill set.

USE OF SYSTEM GBS 10M ROBUR IN MANNED AERIAL VEHICLES HAS TO BE CONSULTED AND APPROVED BY THE PRODUCER OF BALLISTIC PARACHUTE RESCUE SYSTEM AND PROPER INSTALLATION HAS TO BE CHECKED AND PROVEN BY TEST

WHEN USING MULTIPLE UNITS:

Unit should be located as far from each other as possible. The axes of deployment must not cross and should be inclined to outside the center of the vehicle. The goal is to fire the parachute assemblies as far from each other as possible to make enough space for safe parachute opening. Each unit is fired with its own TOUGH G2 unit, all units has to be fired together, delayed activation of any unit is not allowed.



THE 10M/ROBUR SYSTEM IS DESIGNED AS A DISTRIBUTED RESCUE VEHICLE FOR FLYING VEHICLES AND THE SYSTEM MANUFACTURER SHOULD BE THOROUGHLY CONSULTED WHEN PLANNING ITS INTEGRATION. THE SYSTEM IS INTEGRATED AND FORMS AN INTEGRAL PART OF THE STRUCTURE IN ADDITION TO ITS RESCUE FUNCTION.