



KTS-1GA User Guide (TX Only)

● CIRCUIT BREAKER

1. If buoys are about to store in the place without sunlight over 30days, please be sure to **PLUG IN** the circuit breaker first to prevent over-discharging which may damage batteries.
2. Before you charge buoys under the sun or by Kato charger, please **PULL OUT** the circuit breaker first.

● POWER ON/OFF

1. **POWER-ON:** Place the magnet on the switch  to make the LED indicators flash quickly and wait for 3-5 seconds. When the power indicator shuts down, remove the magnets from the cover. Then, POWER ON is done.
2. **POWER-OFF:** Under Power-On mode, place the magnet on the switch  to make the power indicator illuminate and wait for 3-5 seconds. When the power indicator shuts down, remove the magnet from the cover. Then, POWER OFF is done.

● BUOY TRANSMISSION

POWER-ON: When KTS-1GA buoy is powered on, it will report its last position, remaining battery voltage, temperature and UTC time to the receiver on the vessel and switch to **its 10-minute Report Mode** at the same time.

PS: In general, it takes 30~90 seconds to reposition the KTS-1GA buoy. If the KTS-1GA is idle for a long time, or if the distance between the last and the newest positions is too far, it takes longer to reposition the KTS-1GA.

● POWER INDICATOR

Red	Red	Red	Orange	Orange	Orange	Green	Green	Green	Green
Stop using the buoy.			Please charge the buoy.			The buoy can operate normally.			

PS: When the power indicator shows in red, please stop using the buoy, or the rechargeable battery inside the buoy will be over discharged and get damaged.

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● POWER CHARGE (UNDER THE SUN)

1. POWER-ON Mode: The solar buoys will keep fully charged.
2. POWER-OFF Mode: The solar buoys will self-recharge automatically.

PS: Charge the buoys at least every 2 months if they are not in use for a long time. This is to keep the battery alive.

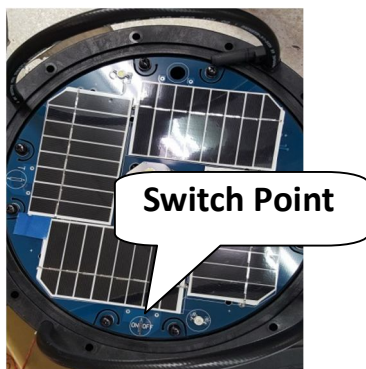
● QUICK POWER CHARGE(ONLY KATO CHARGER ALLOW)

In case of urgent need of solar buoys with low battery (**ORANGE**), you have to recharge them for about 7 hours by KATO CHARGER (ABC-1202M) only. When the charger indicators turn orange to green, the solar buoys are fully charged.

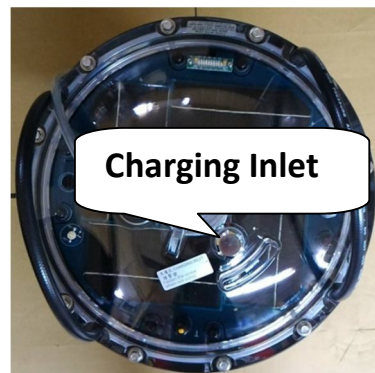
● NOTICE

1. No objects attached to the antenna, such as flags, flashlights, reflective stickers, etc.
2. Do not wipe the cap with any chemical and keep it clear to increase the solar charging efficiency.
3. RF Exposure Limits – The antenna gain used with this device should be 0 dBi or less and all persons should maintain a minimum separation distance of 20 cm for general uncontrolled exposure and general controlled exposure.

Switch Indicator



Charging Inlet



KATO Charger (ABC-1202M)



Circuit Breaker

