



Gator

G Series Radio Module

The **Gator G Series Radio Module** is a decoder module which is capable of activating or deactivating any device using low power radio signals. This module can independently switch from one to four outputs controlling hydraulic devices such as valves and electrical devices such as pumps.

Gator radio modules have been designed to consume minimal power and use long-life lithium batteries as their source of energy thereby omitting the need for other methods of externally supplied power such as mains power or complicated solar equipment with charging circuitry.

Radio controlled irrigation systems offer several advantages over conventional hard wire controlled systems:

- Damage to equipment by lightning strikes and voltage surges is less likely to occur
- Installation of control systems is cheaper and simpler
- Maintenance is cheaper as locating and repairing of faulty wiring is omitted
- Less vandalism and theft of infield wires and equipment
- Systems are modular and can be expanded with minimal disruption

How the System Works

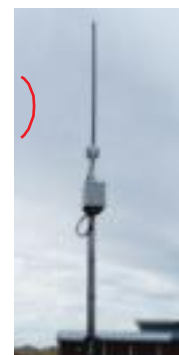
The Gator radio module is programmed with a system output number and unique system address using a hand held programmer (HHP).

Control devices such as relays and solenoid valves are linked to the Gator radio module.

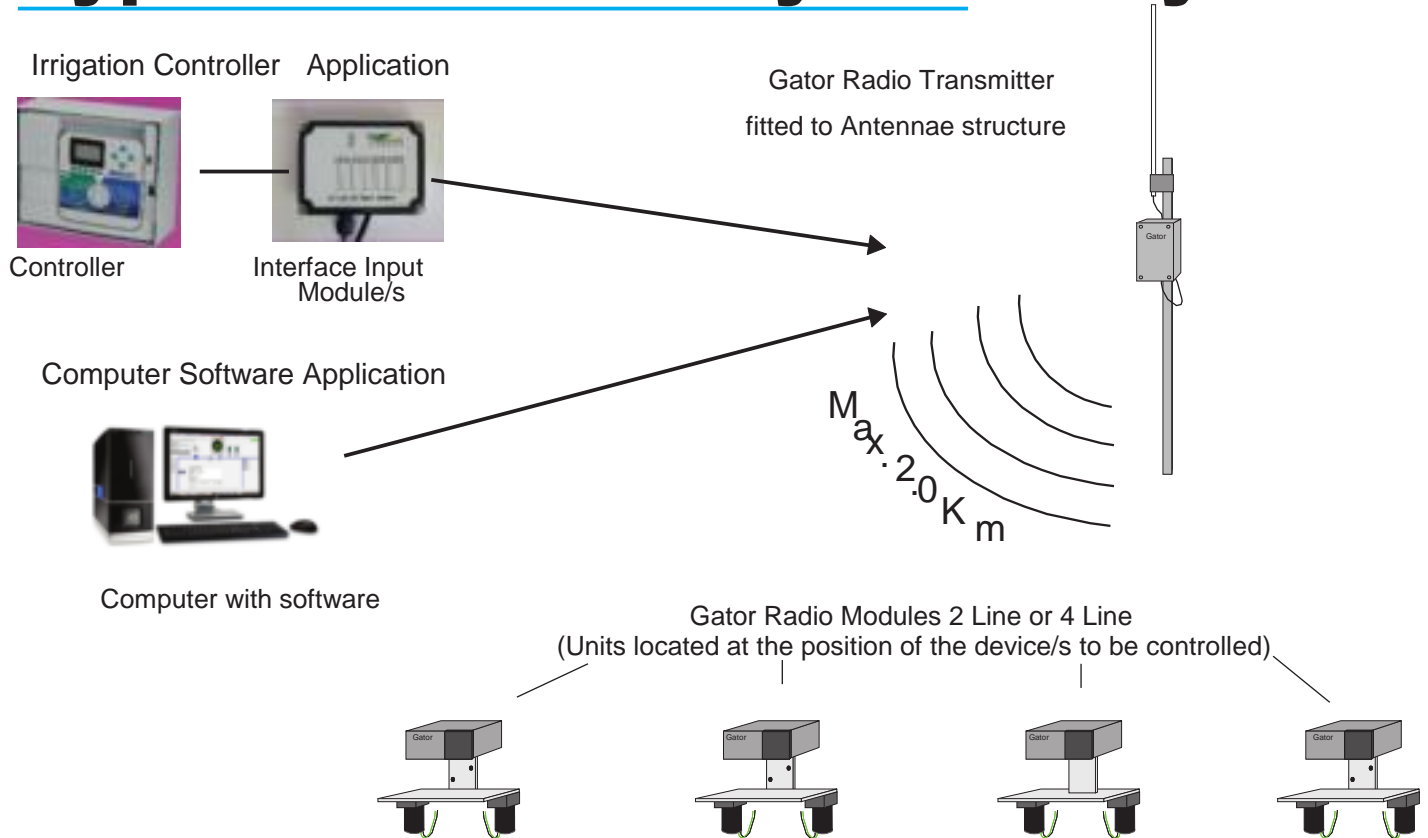
Coded data is transmitted from a central control system. This data contains information as to which outputs within the system are to be “On” or “Off.”

During normal operation, the Gator radio module is continually scanning the airwaves for a signal that coincides with its unique system address and system output number.

On receipt of a signal the Gator radio module will activate or deactivate the devices it controls dependent on the instruction transmitted from the control system.

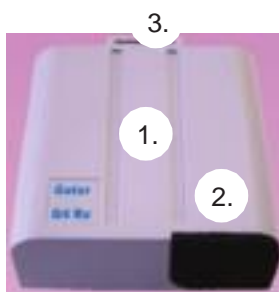


Typical Control System Layout



Unit Features

Top View



Bottom View



G Series Radio Module with Protective Hood

1. Integrated antennae omitting the need for an external antennae (optional external antenna on request)
2. IP 65 enclosure rating manufactured from UV stabilized materials with electronics fully waterproofed.
3. Integrated mounting point
4. Every unit has its own unique serial number
5. Power and programming cables protected within battery housing
6. Quick connect valve wiring connection points (optional wire loom available on request)
7. Power "On" and Data "Receive" LED's available during the initial setup period

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