

**Hunter**<sup>®</sup>  
G O L F

## Genesis III

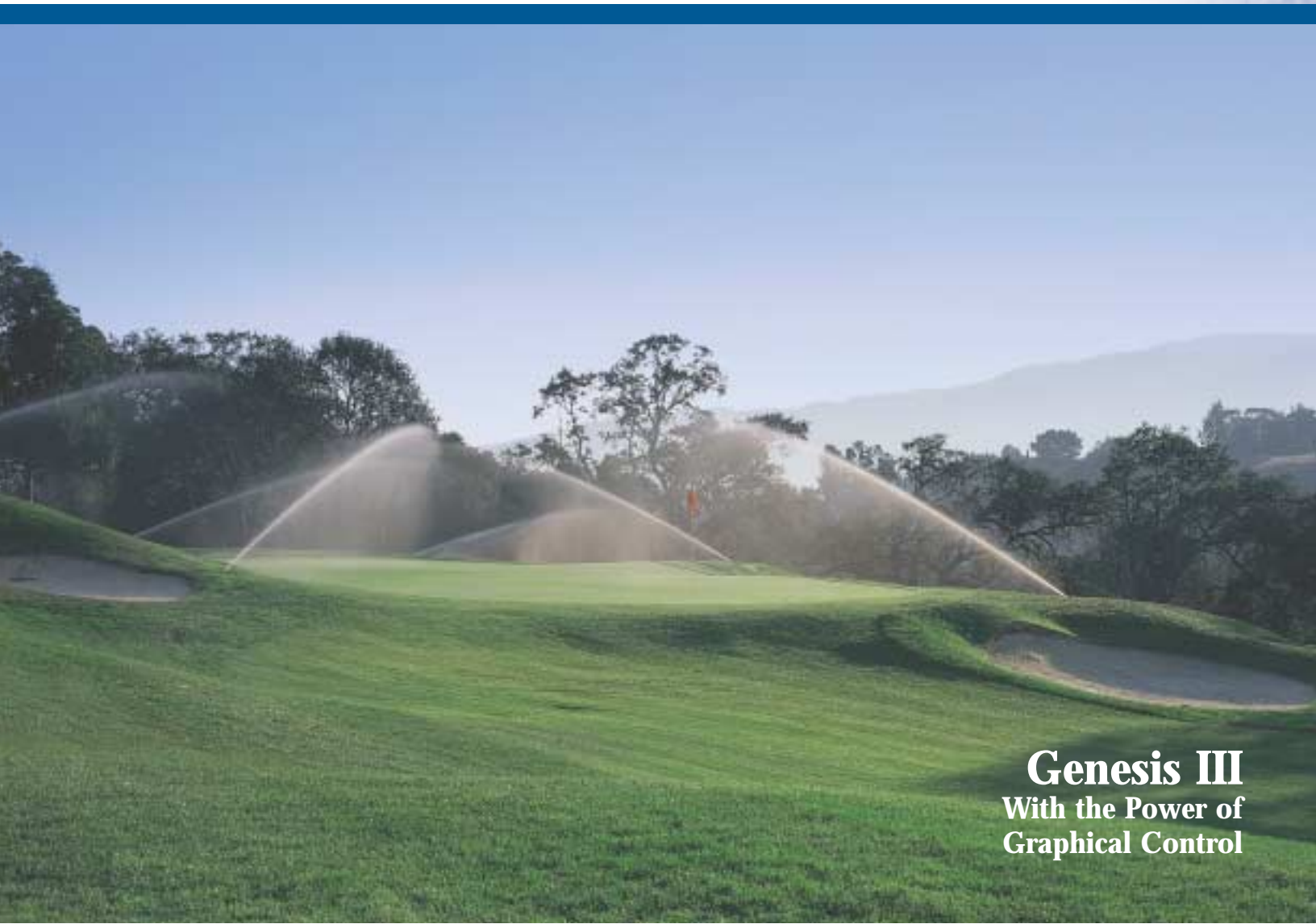
### The Essential Computer Central Irrigation System

*Economy and  
Reliability in a  
Golf Central  
Control System*

**G**enesis. For almost a decade, the name has been virtually synonymous with golf irrigation control. Genesis earned its stripes with simple power – designed for golf superintendents, built on a hardware platform of legendary reliability, and incorporating the best in communications technology at an affordable price.

The next generation of the legend. Upgraded to the latest Windows™ 32-bit standards, Genesis III (version 3.0) offers the same trademark elegant simplicity, with the addition of interactive graphics, new communications flexibility and enhanced reporting capabilities. Best of all, Genesis III is compatible with every Genesis field controller ever sold, so your sound investment in the past remains a sound investment today... and for years into the future.

Why read when you can see? Genesis III accepts graphics of your golf course from scanned aerial photos, scorecards or as-builts, and then, with a mouse-click on the relevant portion of your golf course, provides convenient access to program information. Using sophisticated but commonly available graphics tools and formats, portions of your course map can be defined as “hot spots” and linked to their associated irrigation programs for instant access and editing.



**Genesis III**  
With the Power of  
Graphical Control

## Genesis III Central Software

**Like having your own staff scientists.** Genesis III offers an automated Task Manager to schedule daily water and money-saving adjustments for processing while you're out of the office. Data retrieval units monitor real-world conditions and actual system flow with sensors. Automatic ET input can use current local weather to scientifically calculate the amount of water needed by each plant type on every day of the week. And Flow Optimizer™ automatically adjusts the start times for the entire golf course to balance hydraulic flow, saving energy costs and equipment life. The net result is a control system that works for you, even when you're not there, to lower costs, save water and equipment, and grow beautiful environments.



*Genesis III's new graphical user interface adds the visual dimension to irrigation control*

**Send it and forget it.** Graphics and automation are just part of the story. Genesis III has the horsepower to save complete irrigation scenarios for different conditions under their own names, for recall whenever those conditions return. Genesis III's sophisticated internal architecture is famous for its field-resident memory. Like all Hunter Golf systems, the computer is never required for irrigation in a Genesis III system... because the programs are stored in the field controllers themselves. You can create new irrigation programs in the field without ever touching a computer. Your critical irrigation is never dependent on a PC, because it's too important for that. You can even start up (or grow in!) a Genesis system without any computer at all, and add it later on if you wish. Genesis is fully compatible with Hunter's Viking decoder systems as well.

**Three-Way Communications.** Long pioneers in two-way communications for irrigation, your Hunter engineers have broken another cost and technology barrier. The unique TriSend™ central interface now allows radio, hardwire and telephone modem communications within the same system. Wire the close areas, send radio to the farthest ones or control remote sites from a central location – every Genesis III TriSend™ central interface has the ability to mix all three communications technologies in a single transparent interface. And, as always, all Genesis III communications are confirmed back to the central. Maintenance radio remote control, a favorite time- and money-saver of superintendents, will operate every station on your course from distances over a mile, in any Genesis system.

**Better golf for less work.** Genesis III was designed to satisfy many different management styles. Genesis III starts easily at a basic level, and can ramp up to sophisticated, automatic management. No computer experience is required (Genesis runs in Windows 95™, 98™, Me™, NT™, or 2000™) and you never need to get in any deeper than you want. YOU decide how to irrigate and Genesis III does the rest. From simple scheduling and percent adjustments, to full integration with sensors, weather stations and an Automated Task Manager, Genesis III has the features you need to manage a beautiful course and still go home on time.

**You are not alone!** Every Genesis III central control system comes with a one-year subscription to the Hunter Support Network (HSN) – featuring 24-hour access to Hunter technicians via a dedicated toll-free number, 24-hour emergency replacement parts, and remote modem access to your computer from the factory (if necessary) – with an optional extension to a full 5 years. Hunter's commitment to satisfied customers is legendary. Join the ranks and become one too!



*The custom map view provides instant access to all common control and programming functions for each hole of golf*

## FEATURES & BENEFITS

### Proven hardware and software with optional graphical interface

Trouble-free irrigation in a simple to learn and easy to use package

### True two-way communications in a three-way package

Mix and match hardwire cable, radio, and modem communications for lowest cost & maximum efficiency; fully compatible with Viking decoder systems

### Unlimited named watering scenarios for up to 999 field controllers

Save your favorite settings for any conditions and recall with a click

### Activity log and data retrieval provide system status at a glance

Know what's going on in your world with a smart, interactive control system

### Added control with spreadsheet function

Streamlines irrigation settings with no-nonsense, rapid access layout of automatic programs

### Percent adjustments and advanced ET automatic run time calculations

Quick and easy scaling of water applications for water savings and healthier plants

### Flow Optimizer™ balances hydraulic flow across your entire pipe network

Increase system life and cut energy costs by letting the computer scientifically calculate flow

### Alarm monitoring and shutdown options

Protects your course even when you're away, based on settings you choose

### Full central control plus maintenance radio integration

Manual and semi-automatic control from the computer or the walkie-talkie

### Field-resident memory and modular expansion

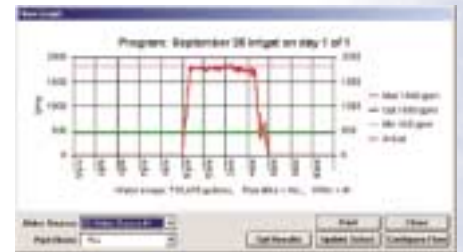
Each controller stores its own programs, so irrigation is never dependent on a central computer – you can even upgrade from standalones to central control later on



*Intelligent, attractive Field Controllers feature clean, modular layouts for easy expansion and diagnostics*



*The Task List lets you check off jobs for Genesis to perform automatically at a specified time of day and frees you up for more important things*



*Genesis displays and prints Flow Graphs, water usage reports, and other valuable data for your course's daily operations*



*Genesis Data Retrieval monitors real-world conditions, and allows you to program emergency shutdowns for wind, rain, flow, and other alarms*



## SPECIFICATIONS:

### Central Computer Operating System:

- Systems: Unlimited
- System Programs: Unlimited
- Maximum Field Controllers: 999
- Maximum Stations: 59,000+
- Maximum Decoder Stations: 102,000+
- Automated Flow Management: Included

### Central Computer\*

- GENPC with 866 MHz Pentium III
  - 128 Mb RAM, 15 Gb Hard drive
  - Super VGA 17" Color Monitor
  - 4 serial ports and 1 parallel ports
  - Internal Zip drive, 20/48X CD-ROM
  - Aztech V.90 fax/modem
- \*Minimum specifications, actual GENPC may vary or exceed these specifications

### TriSend™ Central Interface:

- Communications: Radio, Hardwire, & Modem (can be mixed in system)
- Enclosure: Powder-coated steel (outdoor/indoor)
- Connection: DB-9 Serial port
- Primary Input: 105-125VAC, 0.5A max.
- SV Versions: 205-230VAC, .25A max.

### True Two-Way Communications Range:

- Radio Versions: 2 miles (approximate, depends on terrain)
- Hardwire Versions: Up to 10,000/3,000m feet to first field controller; additional 10,000/3,000m feet between each additional field controller
- TriSend™ technology allows Radio, Hardwire and Telephone Modem communications to be combined in the same system

### Options & Accessories:

- RA5M: Base Antenna
- GENDAT (R or HW): Data Retrieval for sensor feedback to Genesis
- CWS4: Full Weather Station with sensors for ET

### Field Controller

#### Dimensions

- Stainless Steel Pedestal: 36" (92 cm) tall x 13.5" (35 cm) wide x 10" (26 cm) deep
  - Plastic Pedestal: 35" (89 cm) tall x 17.5" (45 cm) wide x 10.5" (27 cm) deep
  - Average weight: 56 lbs (25.5 kilos)
- Stainless and Plastic Wall-Mount enclosures available upon request*

#### Electrical Specifications

- Primary (Input): 105-125VAC, 1A maximum
  - Primary (Input) SV Version: 205-230VAC, .62A max.
  - Secondary (Output): 24VAC, 50/60Hz 1A maximum per station 3A total output 1.67A communications output
- NOTE: Pump output 1A max. if connected*

#### Signal Output

- Hardwire: 4 – 20 milliamp loop
- Radio: 2 Watts, UHF (450 - 470 MHz)

#### Communications Cable: (hardwire)

- GCBL: Shielded 2 twisted pair, 18AWG
- GCBLA: Armored, shielded 2 twisted pair, 18AWG (for direct burial applications)

#### Options & Accessories:

- SV: 230VAC, 50Hz versions
- TRNR: Handheld Radio for TriSend™ or StraightTalk™ communications

#### CENTRAL COMPUTER PRODUCT EXPLANATION

<b>MODELS</b>
GEN3CD = Genesis III Central software
GEN3MAP = Genesis III Graphic Module
GENPC = High-Powered Central Computer Package
PREMPC = Premium Central Computer Package

#### CENTRAL INTERFACE PRODUCT EXPLANATION

<b>MODELS</b>	<b>COMMUNICATION TYPE</b>	<b>OPTION</b>
TRISEND = 3-way capable central interface	NR = No radio module	SV = 230VAC
TRIMOD = Telephone modem module	R = With radio module	
	License required, specify frequency when ordering	