

# Valley® Controls

RELIABLE | DURABLE | PRECISE | ADVANCED | RESPONSIVE



**VALLEY** 

The Leader in Precision Irrigation.

# Valley Control Panels





Valley ICON Model	Display	Remote Device WiFi Access	AgSense® ICON Link™	Key Features
 <p>VALLEY ICON 10™</p>	10-inch Color Touchscreen	Option available through the ICON app	Included	<ul style="list-style-type: none"> <li>• Intuitive user interface</li> <li>• BaseStation3™ compatible*</li> <li>• Variable rate irrigation (VRI) equipped</li> <li>• Cable theft monitoring*</li> </ul>
 <p>VALLEY ICON 5™</p>	5-inch Color Touchscreen + Soft Touch Buttons	N/A	Included	<ul style="list-style-type: none"> <li>• Intuitive user interface</li> <li>• Soft touch buttons for feature selection and navigation</li> <li>• BaseStation3 compatible*</li> <li>• Variable rate irrigation (VRI) equipped</li> <li>• Cable theft monitoring*</li> </ul>
 <p>VALLEY ICON 1™</p>	Full Touchscreen Control with Remote Device	Included** No cell service or internet required	Included	<ul style="list-style-type: none"> <li>• Wireless display through tablet or smartphone</li> <li>• ICON app available on the App Store and Google Play</li> <li>• Cable theft monitoring*</li> </ul>
 <p>VALLEY ICON X™</p>	5-inch Color Touchscreen + Soft Touch Buttons	N/A	Included	<ul style="list-style-type: none"> <li>• Compatible with all major pivot brands</li> <li>• Uses power and control circuits in the host panel and transfers control to the ICONX</li> <li>• Full ICON control functions right at the pivot</li> <li>• Intuitive user interface</li> <li>• BaseStation3 compatible*</li> <li>• Cable theft monitoring*</li> </ul>

\*Additional hardware or subscription required. \*\*Limitations based on field conditions.

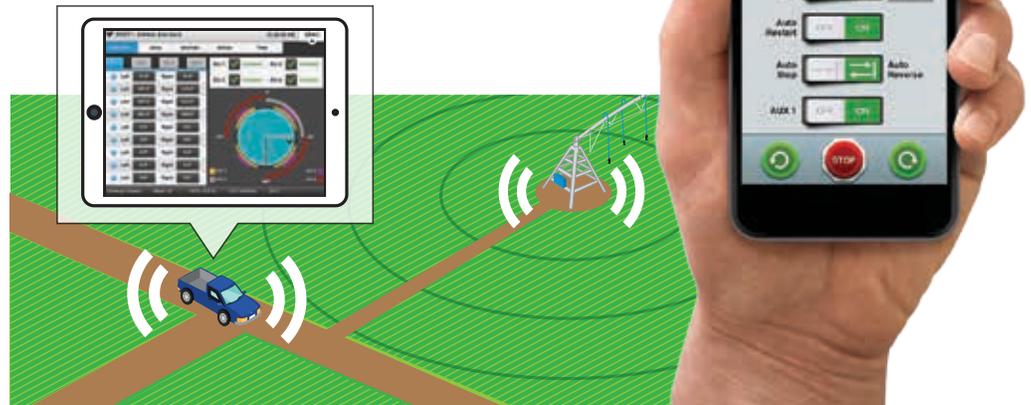
# Valley Control Panels





# Remote Device WiFi

With Valley ICON1, full control of your smart panel is accessed via built-in WiFi signal to deliver localized management to the edge of the field\*\*. No longer do you have to drive to the pivot point or open the control panel to have complete operation and access. Save time, wear and tear on your truck, and fuel by accessing smart panel interaction through your mobile device.



\*\*Limitations based on field conditions.

## Get Set with Remote Capability

Quickly switch between pivots to send commands and adjust controls by downloading the ICON app from the app marketplace on your mobile device. Command from the edge of your field has never been so easy. In addition, if you want full remote control from anywhere in the world, the Valley ICON1 comes standard with AgSense® ICON Link pre-installed so that you can access your pivot no matter where you are.



### Monitor

Access real-time status of your pivot and other inputs.



### Control

Control your irrigation machine from your mobile device or desktop.



### Report

Learn from your past with historical data in easy-to-read, customizable formats.

## Other Panel Options

### AutoPilot Linear

- Only control panel available specifically for linears
- Turns primary and secondary end guns on/off
- Can be programmed to change direction, stop and change speed
- Start/stop chemigation based on field position

### ClassicPlus

- Mechanical auto-reverse
- Mechanical pressure switch for low-pressure monitoring
- Percent timer dial to control application
- Optional mechanical switches to set pivot direction
- Can be upgraded to Valley ICON smart panels or AutoPilot Linear

### Classic

- Push-button operation
- Percent timer to control water application
- Optional mechanical switches to set pivot direction and monitor for low pressure

# Valley Remote





# Control & Monitoring

## BaseStation3™ Total Control – Anywhere

Valley BaseStation3 is the most comprehensive, flexible and state-of-the-art remote irrigation management product available. This innovative technology gives you unprecedented control over your operation. Select cellular, data radio or Internet protocol to manage and control all your irrigation equipment from any computer, laptop, tablet or smartphone. And now, BaseStation3 can come built-in with any Valley ICON panel.



### Web-Based Interface

- Allows multiple and simultaneous users
- Provides alert notifications and instant, at-a-glance status updates
- Intuitive and easy to use, but flexible enough for any size operation
- Expands to grow as your operation grows

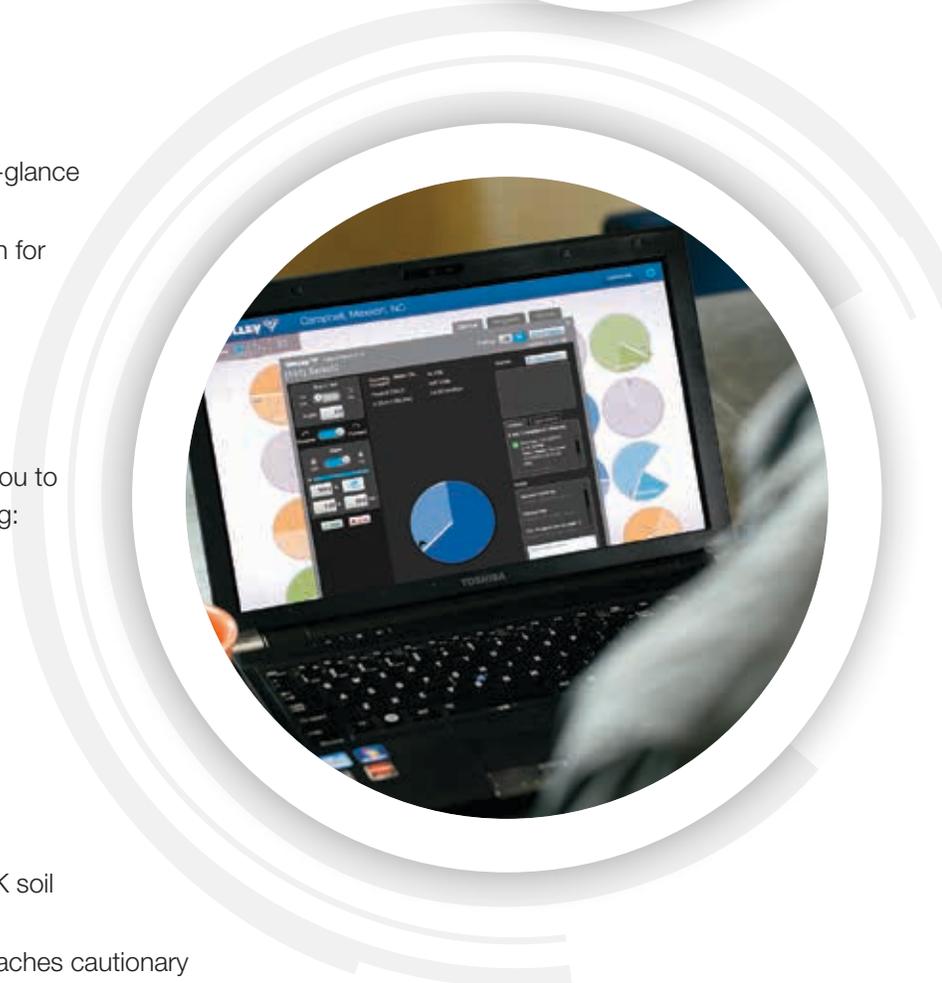
### Remote Management

This powerful farm management tool enables you to remotely manage all types of irrigation, including:

- Pivots
- Solid Set
- Pumps
- Linears
- Generator Sets
- Subsurface

### Beyond the Ordinary

- Native iOS (iPhone, iPad) and Android apps available for enhanced mobile experience
- Data received from Irrrometer® WATERMARK soil moisture sensors
- Provides quick notification if any field approaches cautionary status range for soil moisture
- Allows for informed irrigation decisions based on the amount of moisture in the crop root zones
- User management tools, varied scheduling and customized reporting
- End gun templates allow quick and easy changes to settings



Take total control of your operation—anywhere, anytime. And you want that control with complete mobility. You'll have total mobility with the BaseStation3 app.



# Valley Remote Control & Monitoring





## AgSense®

AgSense® remote irrigation management products use digital cellular technology to remotely monitor and control irrigation equipment. The benefit of choosing AgSense goes beyond feature-rich products. Through the use of the AgSense App from your mobile device, you can gain access to all of your aggregated data, so you can put the information to work for you. And now, with AgSense ICON Link™, the power of AgSense comes built-in with every Valley ICON panel.



### **Field Commander® Ultimate Precision Irrigation Package**

This package combines several AgSense technologies into one kit for unmatched versatility in remote monitoring and management of virtually all irrigation equipment, regardless of brand, age or current capabilities. Remotely monitor and control center pivots and pumps, along with monitoring flow, pressure and weather. Capabilities include Variable Rate Irrigation and custom prescription programming by growers or their agronomists. Soil moisture monitoring can also be added.

### **Field Commander®**

The Field Commander® is a GPS-driven, center pivot monitoring and control tool that provides real-time information and up-to-the-minute alarms to your cell phone, smart phone or computer.

- Works on all brands and vintages of pivots and panels
- Allows remote implementation of your irrigation prescriptions
- Provides cable theft monitoring
- Turns your smartphone, tablet or desktop computer into a “Virtual Control Panel”

### **CommanderVP™**

The AgSense CommanderVP™ provides full remote monitoring and control of your center pivot and control panel, including start, stop, speed, standard VRI, zone VRI, wet/dry control and auxiliary ports. New features include the ability to program and control end guns remotely; automated control of pumps via CropLink; inputs for optional equipment to report rain, temperature and flow; and optional monitoring and alerts for wire theft in progress. CommanderVP offers a broad range of user-selectable text and email alerts, and comprehensive historical reporting of run times, pump on/off, gallons pumped and acre/inches applied of water. A field-changeable cell modem makes it compatible with virtually all cellular providers around the globe, as well as preventing changing cell technology from making it obsolete.

### **Crop Link®**

Crop Link® gives you the ability to monitor and control multiple farm devices from one place, giving you a better idea of what is going on in your field.

### **Aqua Trac**

Aqua Trac gathers data from soil moisture probes and delivers it to you through WagNet. You can easily implement irrigation decisions based on soil profile moisture content from your computer or smartphone.

# Global Positioning System (GPS)





## GPS Position

GPS Ready control panels from Valley give you another choice in positioning your center pivots and linears. The GPS receiver collects and sends position data to the GPS Ready control panel, allowing you to precisely apply different levels of water, crop fertility products or other inputs.

- Available for center pivots and linears
- Requires a GPS Ready control panel: TouchPro, Pro2, Select2 or AutoPilot Linear
- Gathers accurate machine position data
- Compatible with the NovAtel GPS receiver, which is dual channel and does not require a correction to achieve less than 3 meters, 95% typical
- WAAS (Wide Area Augmentation System) enabled Garmin® receiver provides accuracy of 5 meters, most installations reach greater accuracy
- Offers a potential for higher yields and lower input costs because water is applied more efficiently

## For Valley Linear and Corner Machines

GPS Guidance eliminates maintenance issues associated with existing guidance options and minimizes variances in water application.

- Available for linears and corners
- Eliminates need for below-ground, above-ground or furrow-guidance options
- Easily reprogrammable with the custom Valley mapping tool for changes in farm practices or field boundaries
- Diverse platform supports multiple brands of RTK receivers, such as John Deere® and Trimble®
- Trimble RTK receiver compatible with existing Trimble RTK networks
- Easily retrofitted for most existing corners and linears



## Control Conversion

A new control panel helps eliminate electrical shutdowns and allows you to control your machine safely and efficiently.

Almost all center pivot brands can be updated with Valley ICON control panel technology. Conversion opens up opportunities to use remote control and monitoring.

A panel upgrade can improve performance for a minimal investment. Enhance your irrigation management options on Valley or non-Valley machines, while conserving water and saving time.

## Tower Box Conversion

Looking for a high value with a minimal investment? A Valley tower box and alignment conversion can substantially reduce electrical shutdowns on older pivots, which means less downtime. Almost all pivot brands can be converted.

With a Valley tower box and alignment package, non-Valley pivots run more reliably.

	ICON All Panels	Field Commander with subscription (PRO)	Commander/VP or ICON Link with subscription	BaseStation3 with ICON Panel
<b>MONITOR</b>				
Wire Theft/Cut Cable	●	●	●	●
Crash Zone/Overlap		●	●	●
Pivot On/Off	●	●	●	●
Voltage	●		●	●
Direction	●	●	●	●
Position	●	●	●	●
Safety	●	●	●	●
Diagnostics	●	●	●	●
Application Depth	●	●	●	●
Speed	●	●	●	●
Water On/Off	●	●	●	●
Stop in Slot Position	●	●	●	●
VRI On/Off	●	●	●	●
End Guns	●	●	●	●
Programs Running	●	●	●	●
Hours/Revolution	●	●	●	●
Panel Auxiliary Controls Status	●		●	●
Panel Lockout Status	●		●	●
Pressure	●	●	●	●
Graphic Alarm Status	●	●	●	●
Tire Pressure	●			●
Date/Time	●	●	●	●
Flow Rate	●	●	●	●
Wind Speed	●	●		●
Temperature	●	●	●	●
Weather	●	●	●	●
Rain Gauge	●	●	●	●
Daily Operations	●	●	●	●
Destination ETA	●	●	●	●
System Faults	●		●	●
Historical Reports		●	●	●
Email Alerts		●	●	●
Text Alerts		●	●	●
<b>CONTROL</b>				
Pivot Start/Stop	●	●	●	●
Voltage	●	●	●	●
Direction	●	●	●	●
Application Depth	●	●	●	●
Speed	●	●	●	●
Water On/Off	●	●	●	●
Stop in Slot Position	●	●	●	●
End Guns	●	●	●	●
Cruise Control	●		●	●
Cycles/Start Interval	●			●
SIS Bypass/Irrigation Cycles	●			●
Daily Operations/Load Management	●	●	●	●
VRI Speed Controls	●	●	●	●
VRI Zone Controls	●		●	●
VRI iS Controls	●		●	●
Step/Sequential Programs	●	●	●	●
Sector Programs	●	●	●	
Daily Operations	●	●	●	●
Auto Restart	●	●	●	●
Auto Reverse	●	●	●	●
Auto Stop	●	●	●	●
Hours/Revolution	●	●	●	●
Panel Constants	●		●	●
Panel Auxiliary Outputs	●		●	●

\*AgSense Field Commander Pro level service shown. Ask your dealer about other levels of service offered.

\*\*Additional equipment required.

See your local authorized Valley dealer for complete details.



Valmont® Irrigation has a policy of continuous product improvement and development. As a result, certain changes in standard equipment, options, price, etc. may have occurred after the publication of this brochure. Some photographs and specifications may not be identical to current production. Your local Valley® dealer is your best source for up-to-date information. Valmont Irrigation reserves the right to change product design and specifications at any time without incurring obligations.

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