

# Estimated Data Consumption for BaseManager Connections

When your Baseline irrigation controllers are connected to a network with a communication module such as Ethernet, Wi-Fi, Ethernet radio, or cell modem, and users are managing the controllers remotely through BaseManager, data is transferred across the network.

The amount of data being transferred varies depending on the following factors:

- The type of irrigation controller – BaseStation 1000 or BaseStation 3200
- The communication mode that is being used – Ethernet or cell modem
- The device on which the user is accessing BaseManager – a computer, tablet, or smartphone
- How many controllers are being managed through BaseManager
- Whether the user is accessing the controller through LiveView or through the BaseManager screens
- Whether the user is actively editing/saving, or whether the connection is inactive

## BaseManager Web Data Consumption

Average Data Use Per Controller				
	Quiescent Data Use		Active BaseManager* Data Use	Active LiveView** Data Use
	Ethernet Mode	Cell Mode		
BaseStation 3200	50 KB per day	30 KB per day	5 KB to 10 KB per minute	50 KB per minute
BaseStation 1000	20 KB per day	10 KB per day	5 KB to 10 KB per minute	15 KB per minute

\* Client session will terminate after 1 hour of inactivity. Data used between last activity and timeout is approximately 1 KB per minute.

\*\* The controller will terminate the LiveView connection after 5 minutes of inactivity.

## IP Connection Flow

- Ethernet Mode – Controller to server keep-alive is 1 time per minute
- Cell Mode – Controller to server keep-alive is 1 time per hour

## Cipher Strength of SSL Encryption

- Controller to server (controllers do not authenticate certificates)
  - BaseStation 3200 – 256 bit AES, RC4 encryption
  - BaseStation 1000 – 128 bit, RC4 encryption
- Smart phone to server
  - Negotiated between client and server and depends on phone (normally 256 bit)
- Browser to server
  - Up to 256 bit all modern variants
  - 2048-bit SSL certificate

**Disclaimer:** The information in the document is estimated only. Actual data usage depends on use and may differ.