

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 | 500 KB per day | 300 KB per day | 10 KB to 20 KB per minute | 50 KB per minute |
| BaseStation 1000 | 200 KB per day | 150 KB per day | 10 KB to 20 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.