King-Gage KingBus ASCII Master Driver

Information Sheet for Crimson v2.0

Compatible Devices

King-Gage Processors supporting KingBus ASCII protocol.

Verified Device

King-Gage LevelPRO Multiple Tank Processor (4641-2-0)

Slave Response Timeout Setting

KingBus ASCII v1.01+ - Setting can be configured within the driver level settings. In order to access this setting when working with databases created with KingBus ASCII v1.00, reselect the KingBus ASCII driver after clearing port. Validate All Tags should be used to reactivate tags associated with this device.

Polling Address Selection

KingBus ASCII v1.00 – Polling address may be selected via the element selection within the KingBus ASCII address selection dialog box.

KingBus ASCII v1.01+ - Polling addresses may be configured by 2 methods.

1) Polling address may be selected via the element selection within the KingBus ASCII address selection dialog box. When using this method, the Drop Number within the device level settings should be set to 0.

2) Polling addresses may also be selected via the Drop Number within the device level settings. Using this method, an additional device should be added for each polling address desired. By selecting a device with a Drop Number of a non-zero value, the Drop Number will automatically be used within the KingBus address selection box. This method allows for faster updates and error recovery.

Data Access

S **-** Specific Gravity

- Read / Write access.
- The driver assumes a data format of S.SSS. For most applications, the format for integer tags and display items associated with the Specific Gravity should be set as such.
- It is the programmer's responsibility to ensure validity of entered values by setting the Data Limits appropriately.

X - Status Code

- Read Only access.
- String tags associated with the Status Code should be set for a length of 2 with the Encoding set for "Packed Low-to-High".

L – Level Value

- Read Only access.

U - Display Unit

- Read Only access.
- String tags associated with the Display Unit should be set for a length of 4 with the Encoding set for "Packed Low-to-High".

UW - Display Unit

- Write Only access.
- Set to the integer value that defines the desired engineering unit to display.

Note: Driver communications cease for 1 second after each write for new value processing.

Cable Information

G3 RS485 Port	King-Gage Processor
Pin 1	RS-485 A
Pin 2	RS-485 B
Pin 6	GND