Precision Liquid Fertilizer Solutions

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877.218.1981

GX7 LITE ROW MONITOR

SETUP AND INSTALLATION

Flow Monitor Display

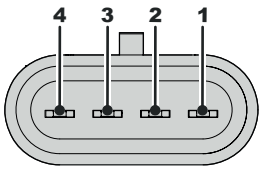
GX7 Lite Setup

To see a more consistent flow distribution, it is recommended that the Multiflow Flowmeter be placed near the rows that the flowmeter will be providing flow to. For example, if a flowmeter is responsible for monitoring the flow to rows 1 - 4, then the flowmeter should be placed between rows 2 & 3.

You should also attempt to keep the length of tubing from the flowmeters to the rows as close to the same length as possible. Liquid will always flow to the path of least resistant and a longer tube means there is greater resistance for the liquid to overcome. Larger tubing will also help to alleviate this issue.

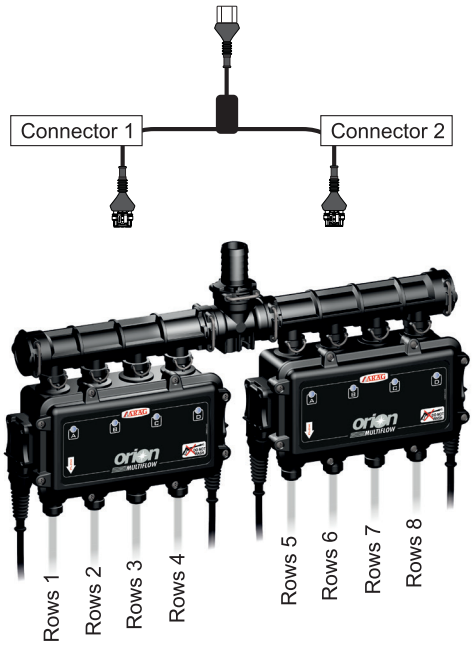
GX7 Lite Setup

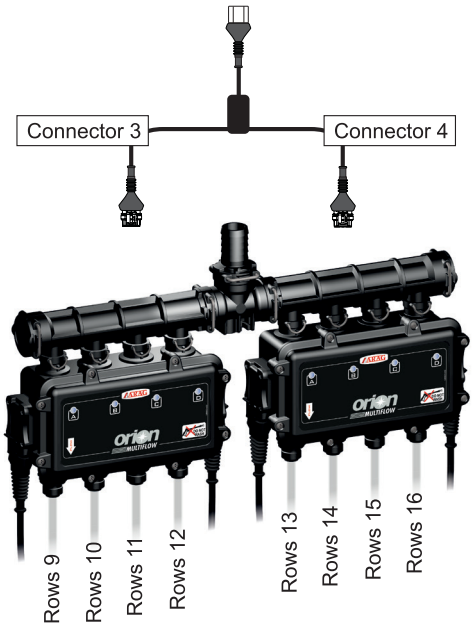
POWER SUPPLY + CANBUS



SUPERSEAL™ TE 4-POLE CONNECTOR	
Position	**Connection**
1	GND
2	+12 VDC
3	CAN L
4	CAN H

AgXcel's Multiflow Flowmeter's are all powered by 12V provided by the Visio Monitor. The Multiflow Flowmeter's also report flow directly back to the Visio Monitor.





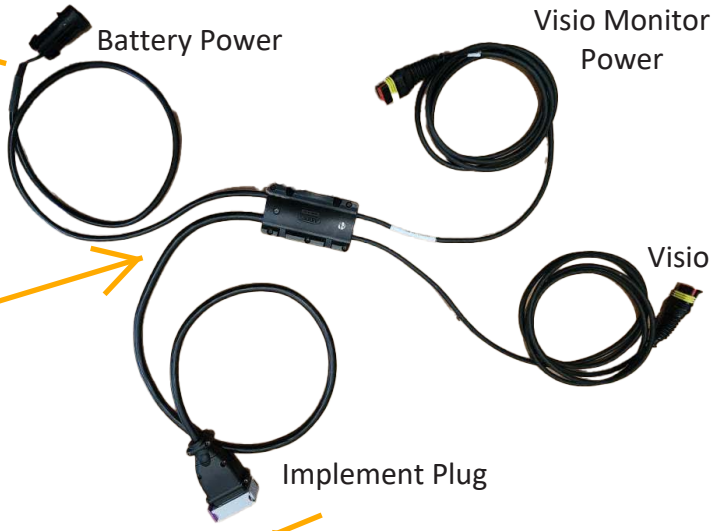
The Multiflow Flowmeter will have two connection points on the flowmeter. You will only need to connect the harnessing to the left port. The port on the right will not be used.

- *Connector 1* controls the rows from 1 to 4;
- *Connector 2* controls the rows from 5 to 8;
- *Connector 3* controls the rows from 9 to 12;
- *Connector 4* controls the rows from 13 to 16.

GX7 Lite Setup

Visio Monitor
PN: 4670611

Battery Cable
PN: 17871

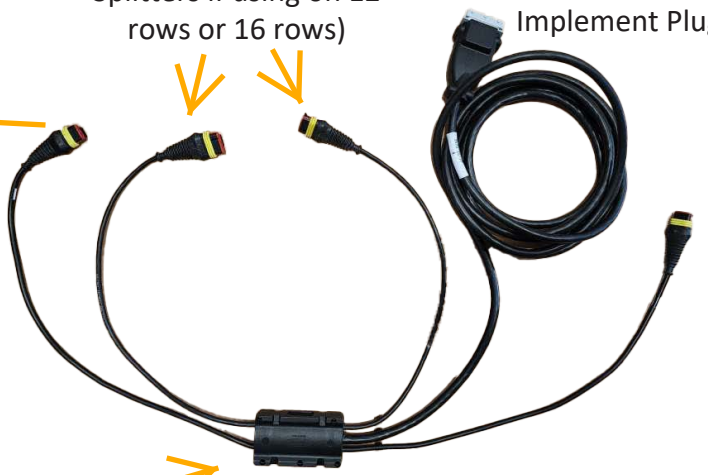


Controller Harness
PN: 4670611.080

Implement Plug Extension Harness
Lengths Vary
PN:
46732000.120
46732000.122

Flowmeters
(Connects to Flowmeter Splitters if using on 12 rows or 16 rows)

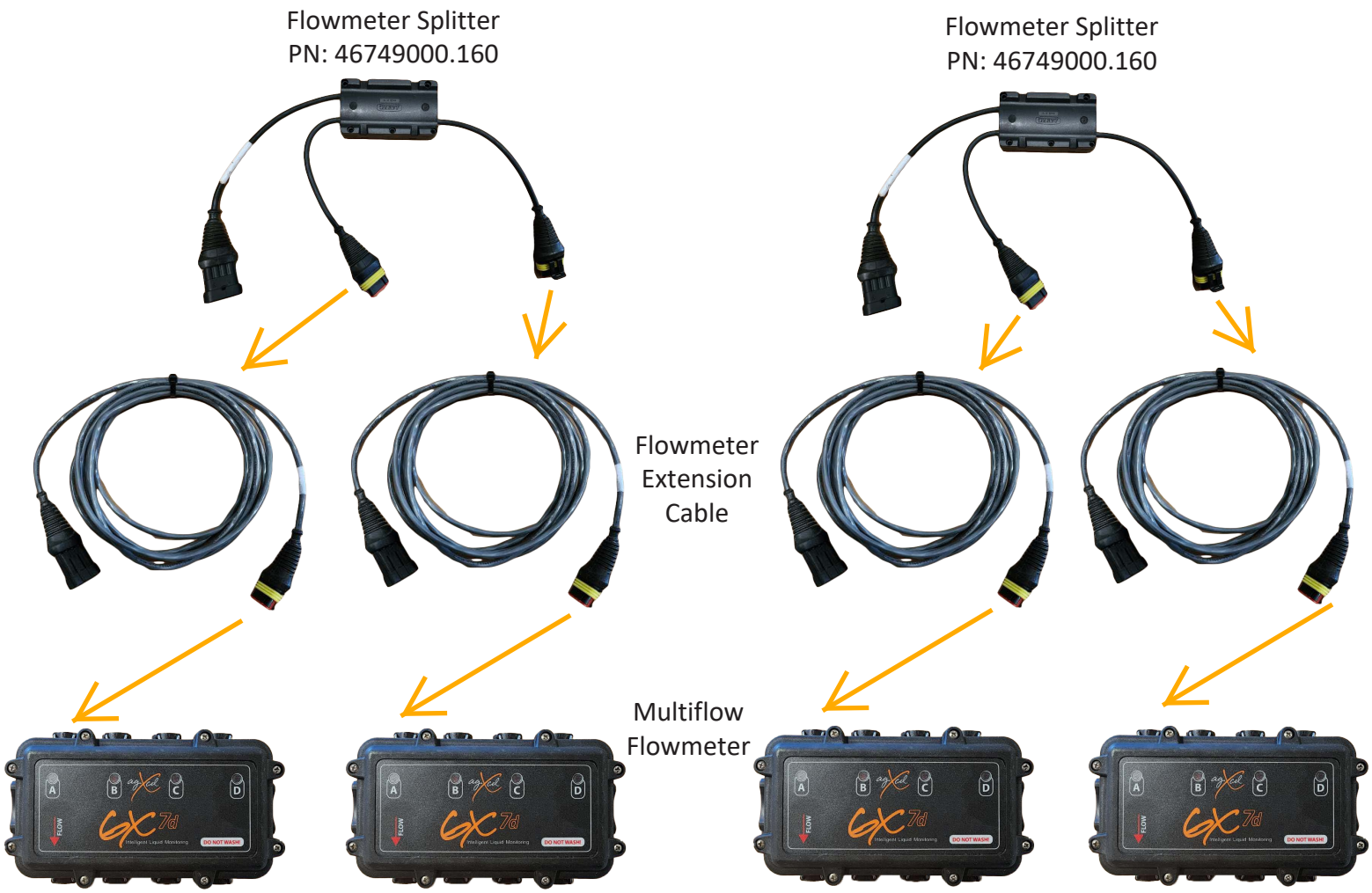
Lift Switch
PN: 55748



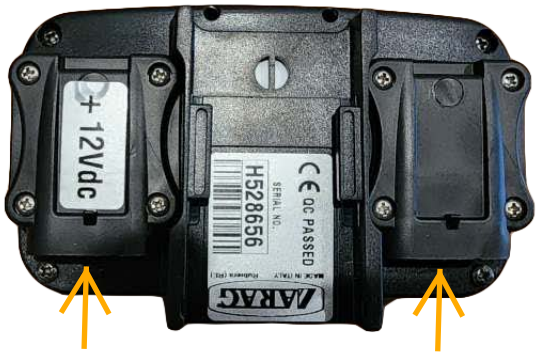
Speed Sensor
PN: 20155

Implement Harness
PN: 4670611.110

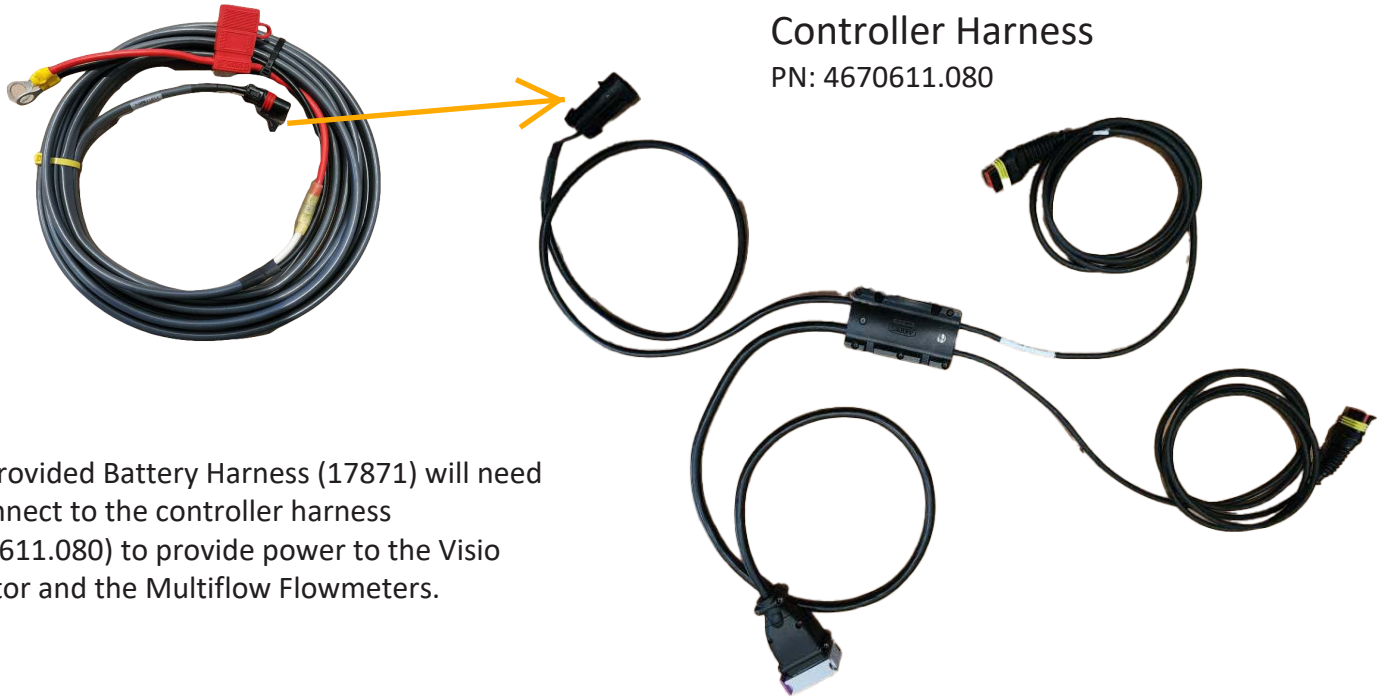
GX7 Lite Setup



GX7 Lite Setup



The Visio Controller has two connections on the back. When turning the controller over, you will see these two connection points. The left port will have a solver stick stating that is the connection for 12V power. The connection on the right is for the sensors. You will find the connecting harness with your kit. The two plugs that need to connect to the controller are apart of harness 4670611.080 and are labeled as "Power" or "Sensor".



Controller Harness

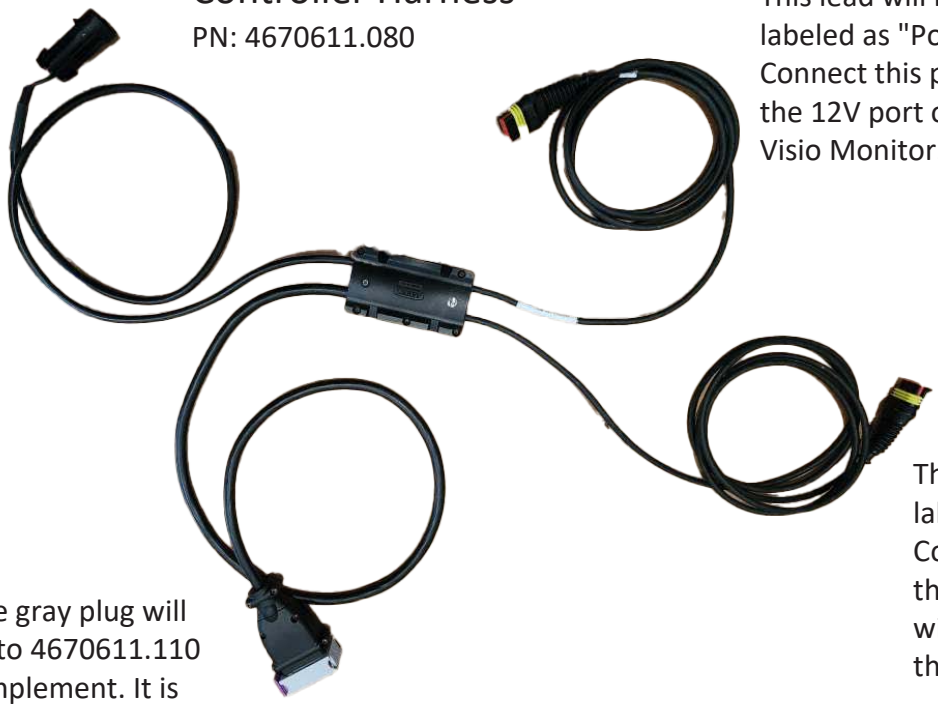
PN: 4670611.080

The provided Battery Harness (17871) will need to connect to the controller harness (4670611.080) to provide power to the Visio Monitor and the Multiflow Flowmeters.

GX7 Lite Setup

Controller Harness

PN: 4670611.080

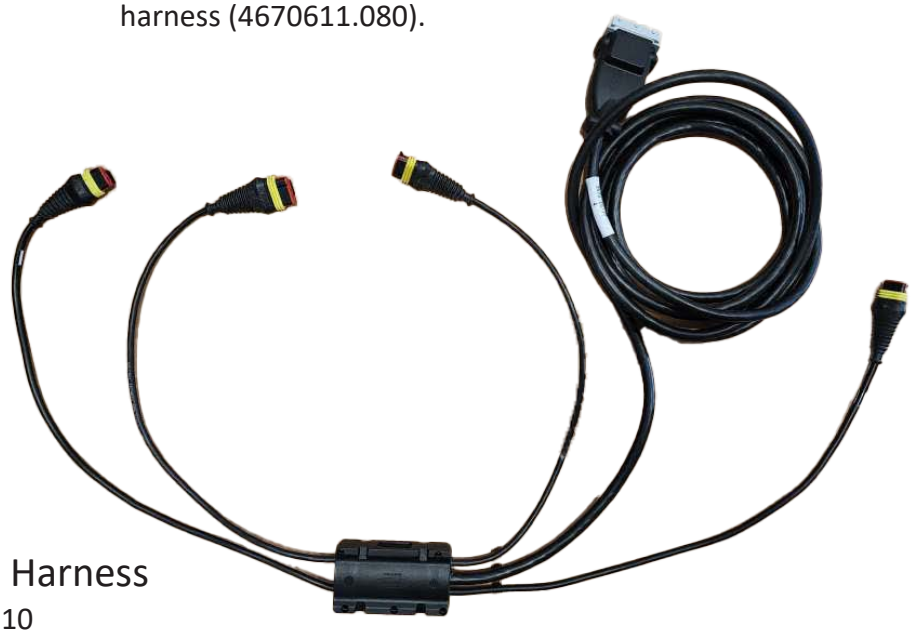


This lead will be labeled as "Power". Connect this plug to the 12V port on the Visio Monitor.

This lead will be labeled as "Sensor". Connect this plug to the right port without a label on the Visio Monitor.

This large gray plug will connect to 4670611.110 on the implement. It is possible that you may be using an extension harness to connect this controller harness (4670611.080) to the implement harness (4670611.110).

This large gray plug will connect 4670611.080 to the controller harness in the cab. It is possible that you may be using an extension harness to connect this implement harness (4670611.110) to the controller harness (4670611.080).



Implement Harness

PN: 4670611.110

GX7 Lite Setup

The Lift Switch will connect to the lead labeled with a "W" on the implement harness.

The Speed Sensor will connect to the lead labeled with an "S" on the implement harness.

The other two unlabeled leads will connect to either the Multiflow Flowmeters (on 8 row implements and smaller) or the Flowmeter Splitters (on 12 row implements and larger). The Flowmeter Splitters PN: 46749000.160

Speed Sensor
PN: 20155

Lift Switch
PN: 55748

Implement Harness
PN: 4670611.110

"W" for Implement Switch

"S" for Speed Sensor

GX7 Lite Setup

Flowmeter Splitter

PN: 46749000.160

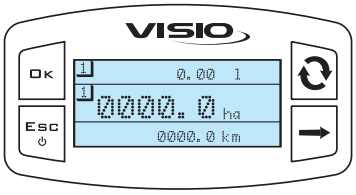
Flowmeter Extension Cable

PN: 55807 (5ft)
PN: 55707 (15ft)
PN: 55708 (20ft)
PN: 55711 (50ft)

Multiflow Flowmeter

PN: 55657 (0.08 - 1.6 GPM)
PN: 56699 (0.3 - 5 GPM)
PN: 56700 (0.6 - 13 GPM)

GX7 Lite Setup



- **Alarms**
  - Min flowrate
  - Max flowrate
  - Min speed
  - Max speed
  - Min App. rate
  - Max App. rate
  - Flowmeters status
  - Alarm act. delay
- **Sensors**
  - Speed sensor
    - Man. calibration
    - Auto calibration
  - Multiflow orient.
- **Options**
  - Language
  - Units of measurem.
    - Flowrate
      - *l/min*
      - *GPM*
      - *m^3/h*
    - Volume
      - *l*
      - *gal*
      - *m^3*
    - Speed
      - *km/h*
      - *MPH*
    - Length
      - *cm*
      - *inch*
    - Surface
      - *ha*
      - *ac*
      - *ksqft*
    - Application rate
      - *l/ha*
      - *GPA*
      - *GPK*
    - Distance
      - *km*
      - *miles*
  - Display contrast
  - Alarm tones
  - Keytones
  - ID reset
- **Job settings**
  - Rows number
  - Row width
  - Application rate
- **Setup management**
  - Save setup
  - Load setup
- **Test**
  - Firmware version
  - Power voltage
  - Display
  - Keys
  - Sensors

GX7 Lite Setup