

# Integrating New Holland PLM with Raven & Rawson Controllers

**Raven SCS 100 Series: 440/450/460/660**  
**Raven SCS 1000 Series: 4000/4400/4600/5000**

**Rawson Accu-Rate Control System**



**Category:** Precision Land Management  
**Series/Model:** Integrating New Holland PLM  
with Raven & Rawson  
Controllers  
**Document:** PLM-10003-09  
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## ***Precision Land Management***

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# Specifications

## Third Party Controller Capability

### Raven and Rawson Rate Controllers

New Holland Precision Land Management products may be used in conjunction with Raven and Rawson variable rate controllers. Specific cables are available through New Holland Parts to communicate with Raven/Rawson controllers through the DB9 port and Tyco port of the IntelliView Plus II display. New Holland offers an operator’s manual for both third party controllers through the Document Management Center. Please refer to “Raven Variable Rate Software for IntelliView Plus II Display” operator’s manual for display set up and operation (87472173). Refer to “Rawson Accu-Rate Control System Software for IntelliView Plus II Display” operator’s manual for display set up and operation (87472174).

An important step prior to selecting the appropriate cable is to determine if the vehicle is IntelliSteer ready. If it is not IntelliSteer ready or a non-New Holland vehicle a separate harness is required. Additionally, a power source such as an auxiliary fuse will suffice.

### Compatible Models - Raven

The following Raven systems are supported using an RS-232 serial connection in conjunction with the data menu settings listed in the chart below.

- SCS 100 series: 440/450/460/660 and other variants
- SCS 1000 series: 4000/4400/4600/5000 and other variants

Function	Setting
Baud Rate	9600
Trigger Value	1
Trigger Units	1 sec
GPS Functions	Disabled
Decimals	Unshifted
Data Direction*	Com port
Datalog Mode*	Console Data
Variable Rate Control**	On

\*4400/4600 models only

\*\*4400/4600/5000 models only

A null modem serial cable is required to connect to the Raven Control System to the IntelliView Plus II display.

### Raven Part Number

- 115-0159-624 for the Raven 100 series
- 115-0171-395 for the Raven 1000 series

# Specifications

## IntelliView Plus II Required Software

### Raven

- Raven Controller 16.1.0.0
- Com3 Manager 16.1.0.0
- As Applied 16.2.0.0
- Precision Farming 16.2.0.0
- Generic Tractor 16.2.0.0 or Large Tractor 16.1.0.0
- Framework 16.4.0.0

### Rawson

- Rawson Controller 16.1.0.0
- Com3 Manager 16.1.0.0
- As Applied 16.2.0.0
- Precision Farming 16.2.0.0
- Generic Tractor 16.2.0.0 or Large Tractor 16.1.0.0
- Framework 16.4.0.0

## New Holland Tractor Compatibility by Serial Number and IntelliSteer Option

New Holland Tractor Serial Break - IntelliSteer Ready		
Model	Serial Number	Harness Part Number
T7000	Z6RW04319 and above	87732647
T8000	Z6RW04319 and above	87732647
T9000	Z7F202169 and above	87732647

New Holland Tractor Serial Break - Non-IntelliSteer Ready*		
Model	Serial Number	Harness Part Number
TG/T8000	Z6RW01001 - Z6RW04319	84169716
	Z6RW01001 and below	84169716
TJ/T9000	Z6F200013 - Z7F202169	84169716
	Z6F200013 - and below	84169716

\*Must install appropriate ISO11783 harness, mounting brackets and IntelliView Plus II display on New Holland tractors not equipped IntelliSteer ready from factory in addition to listed harness.

Note - if auto guidance is not desired, the steering sensor, hydraulic manifold and hoses are not required to be installed.



# Specifications

Communicating with third party variable rate controller via IntelliView Plus II  
*IntelliSteer ready tractor*



Rawson Accu-Rate

OR

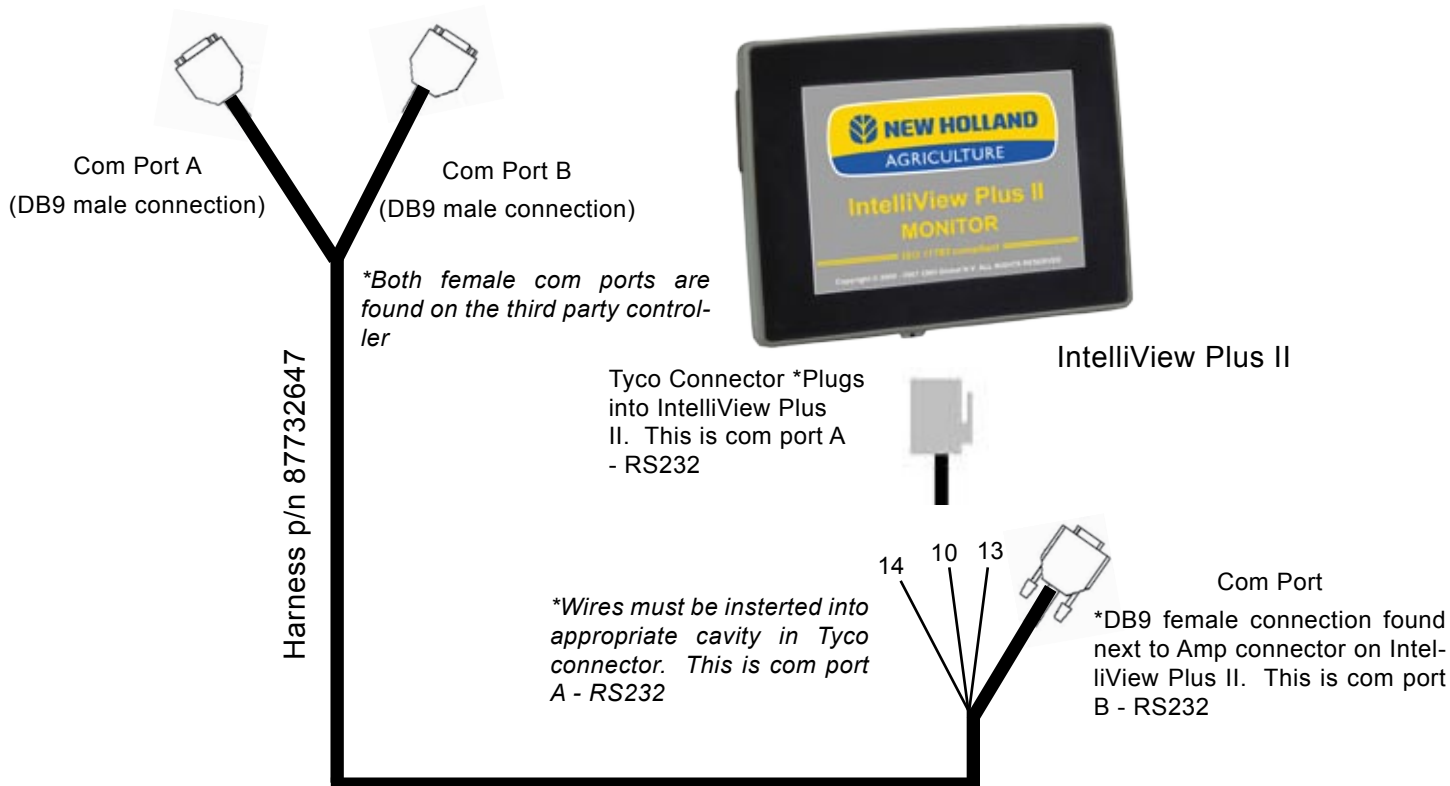


Raven SCS 100 series  
440/450/460/660

OR



Raven SCS 1000 series  
4000/4400/4600/5000



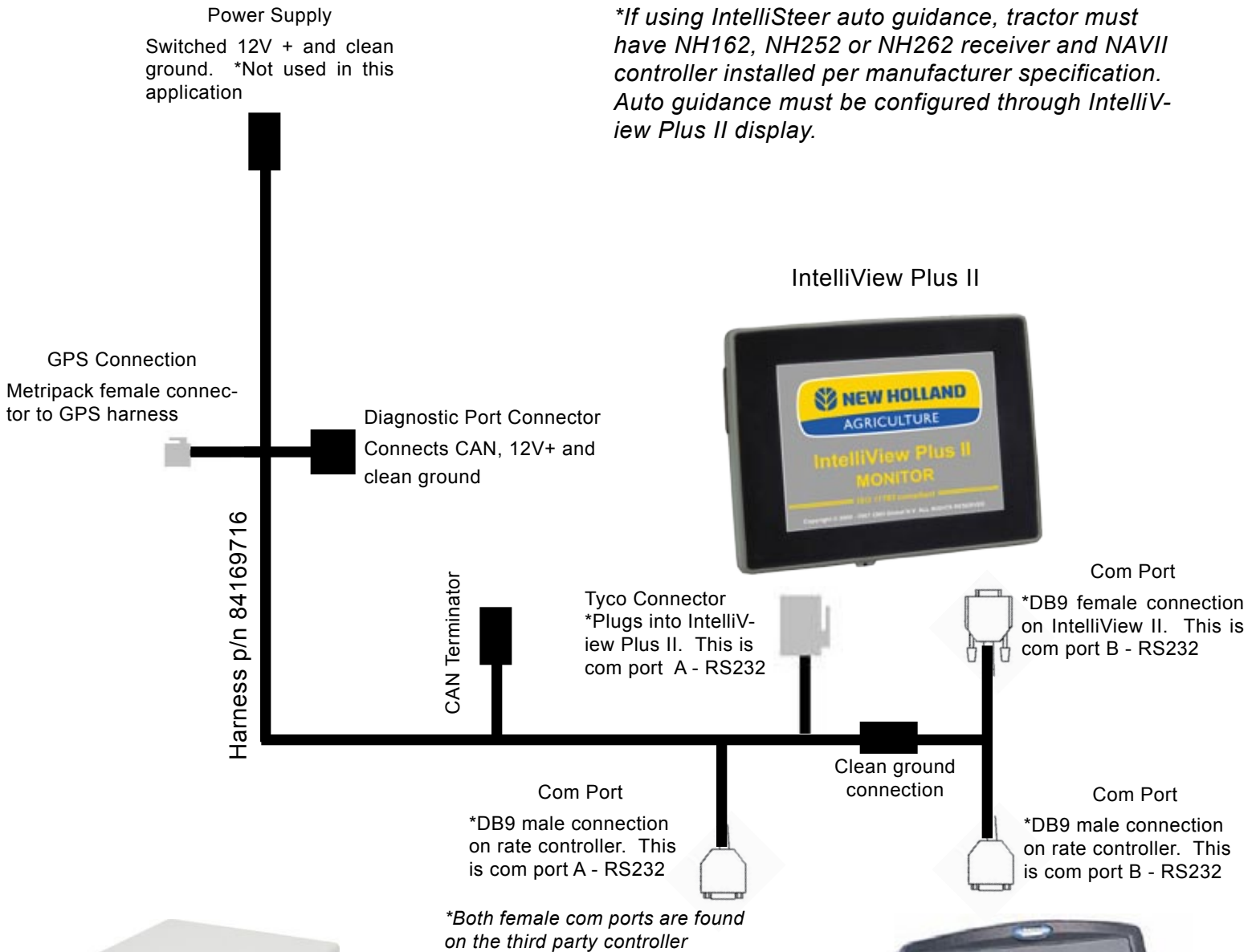
*\*If using IntelliSteer auto guidance, tractor must have NH162, NH252 or NH262 receiver and NAVII controller installed per manufacturer specification. Auto guidance must be configured through IntelliView Plus II display.*

# Specifications

## Communicating with third party variable rate controller via IntelliView Plus II

- Non-IntelliSteer ready New Holland tractor
- New Holland vehicle using an IntelliView Plus II display with an NH100, NH162, NH252 or NH262

*\*If using IntelliSteer auto guidance, tractor must have NH162, NH252 or NH262 receiver and NAVII controller installed per manufacturer specification. Auto guidance must be configured through IntelliView Plus II display.*



Rawson Accu-Rate

OR



Raven SCS 100 series  
440/450/460/660

OR

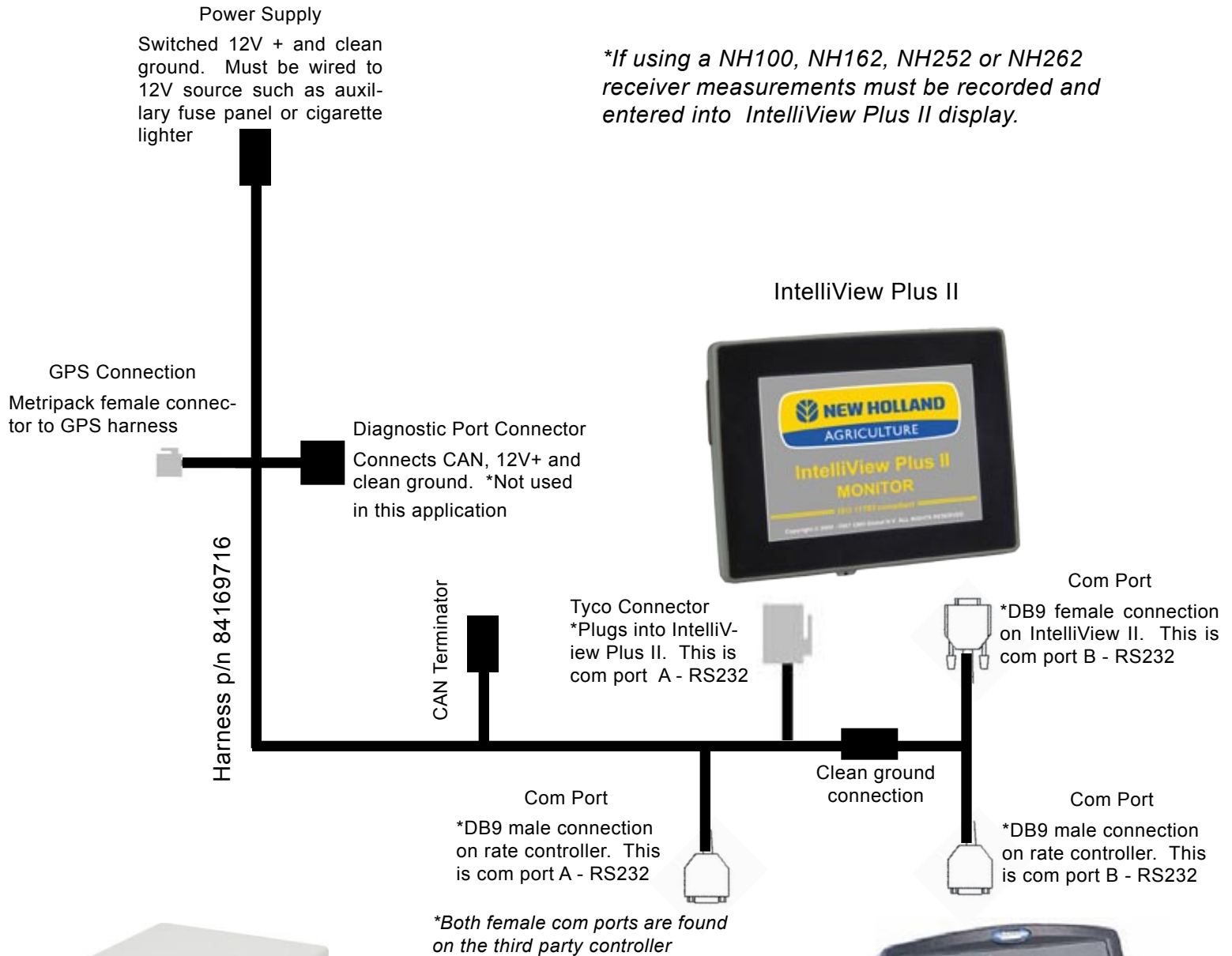


Raven SCS 1000 series  
4000/4400/4600/5000

# Communicating with third party variable rate controller via IntelliView Plus II

- Non-New Holland vehicle using an IntelliView Plus II display with an NH100, NH162, NH252 or NH262

*\*If using a NH100, NH162, NH252 or NH262 receiver measurements must be recorded and entered into IntelliView Plus II display.*



Rawson Accu-Rate

OR



Raven SCS 100 series  
440/450/460/660

OR



Raven SCS 1000 series  
4000/4400/4600/5000

# Notes

Additional Notes

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