

## Mini-X Wiring Information

The Mini-X comes with a DB15 connector pre-wired with the most commonly used wires. The optional remote magnetometer uses a DB9 connector and is connected to the Mini using the pins defined below. The colors shown here correspond to the colors in the supplied wiring harness. Notes:

- The supplied wiring harness for the magnetometer is 20 feet long; all other wires are 4 feet long.
- The magnetometer, OAT, serial ports and Trig TT22 connections are all optional.
- OAT is required for true airspeed and density altitude calculations when the Mini does not have a serial connection to a working GRT Horizon or Sport EFIS display unit.
- Use Trig TT22 A and B connections for control and encoder information for the TT22.
- Either of the serial port pairs can be used:
  - to feed altitude encoder information to all transponders except the remote Trig TT22.
  - to connect the Mini-X to any GRT EFIS display unit for limited data sharing.
  - to connect to one or two GRT autopilot servos for lateral modes and altitude hold.
  - to connect an RS-232 navigation radio or GPS

Magnetometer DB9 Pin No.	Mini DB15 Pin No.	Use	Color
	1	Serial 2 Out	YEL
	2	Serial 2 In	YEL/WHT
	3	Trig TT22 A	
	4	Trig TT22 B	
	5	Serial 1 Out	GRN
	6	Serial 1 In	WHT/GRN
	7	Ground	BLK
	8	Power in: 8-30V	RED
Mag 8	9	Mag Serial In	ORG
Mag 9	10	Mag Serial Out	ORG/BLK
Mag 5	11	Mag Power	BLU
Mag 1	12	Mag Ground	WHT/BLU
	13	Future Use	
	14	Future Use	
	15	OAT	GRY