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# ADTT16E Touch Tracker<sup>®</sup> Controller with Intellex<sup>®</sup>

## Installation Instructions



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## Contents

About this Guide .....	1
Parts Required.....	2
Installation Procedure.....	2
Intellex 1.x Connection .....	3
Intellex 2.0 Connection .....	4
Calibrating the Tracker Ball .....	5
Configuring Devices .....	5
Resetting a Dome.....	5
Toggling between Zoom and Focus .....	5
Adjusting V-Phase .....	5
Providing System Information.....	6
Performing SensorNet Ping Test.....	6

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## About this Guide

This installation guide explains the wiring of the ADTT16E Touch Tracker Controller with the Intellex Digital Video Management system.

## If you need assistance...

Contact your Sales Representative.

## Parts Required

### ADTT16E Touch Tracker Controller Installation Kit

Part Number 0351-0474-06

Description	Qty.	Part No.
Modular cable assy	4.3m	6003-0047-01
Screw, M2.9x9.5	1	5899-0004-102
Anchor, 4-8x.750	2	2880-0083-01
Screw, #8x1	2	2816-7634-44
Conn, 1x5pos	1	2109-0254-04
Lug, 22-16AWG	3	2141-0002
Cable, 3-cond, 18AWG	5m	6002-0024-01
Interconnect box	1	0300-1000-01
Serial cable, DB9M-DB9F	1	6003-0017-05
Hood, D-Sub, 9pos, cable	1	2125-0007-02
Conn, D-Sub, plug, hsg, 9pos	1	2130-0021-01
Contact, pin, D-Sub, 22-26 AWG	1	2103-0092-01



#### **WARNING: Shock Hazard!**

Disconnect AC Power to the Switch.



#### **CAUTION: Static Sensitive Components!**

Follow proper handling procedures to prevent component failure.

## Installation Procedure

1. Terminate the external interconnect module (EIM) at the end of the SensorNet network. See the diagram on page 3 or 4.

For more information on the SensorNet network, refer to the SensorNet Network Guide (PN 8000-0970-01).

2. Mount the EIM on a wall or other surface within 3m (10') of the ADTT16E Touch Tracker.
  3. Connect the power transformer and SensorNet cable to J3 on the EIM.
  4. Connect the DB9M-DB9F Serial Cable (PN 6003-0017-05) to the DB9 connectors on the EIM and Intellex back panel. Refer to the illustrations on pages 3 or 4 for additional information.
  5. Connect the data cable from J1 on the main ADTT16E Touch Tracker EIM to the Remote port at the rear panel of the multiplexer.
  6. Connect the modular cable from J2 on EIM to the ADTT16E Touch Tracker.
  7. Connect the SensorNet cable from the dome to the terminated EIM.
  8. Plug the power transformer into a grounded, 3-wire receptacle.
- NOTE:** If the keypad and backlighting do not illuminate when power is applied, unplug each power transformer and repeat steps 3 through 8.
9. From the ADTT16E Touch Tracker, press **Menu** to configure the software for the Intellex system.
  10. Using the Tracker Ball, page down the screen to the **Config Devices** menu option.
  11. Press the zoom/focus button to select the **Config Devices** menu option.
  12. Press **Next** to select the appropriate device for this installation. See the example screen below.

Device = Mux 16  
= POSEM

13. Press **Menu** to select the device configuration and return to the Camera Control mode.

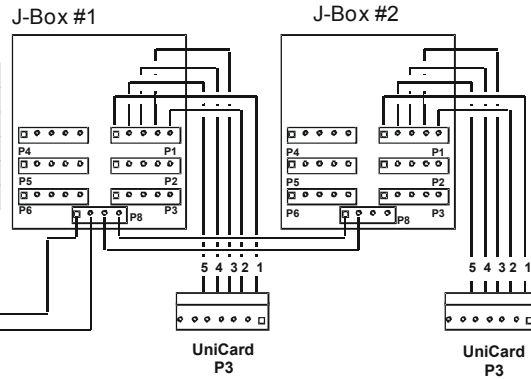
# Intellex 1.x Connection

**J-Box P8**

COLOR	PIN	FUNCTION
Orange	1	Host A
Yellow	2	Host B
Orange	3	Auxiliary A
Yellow	4	Auxiliary B

**J-Box P1-P6**

COLOR	PIN	FUNCTION
Orange	1	SensorNet A
White	2	28 Vac
Red	3	Ground
Black	4	28 Vac
Yellow	5	SensorNet B

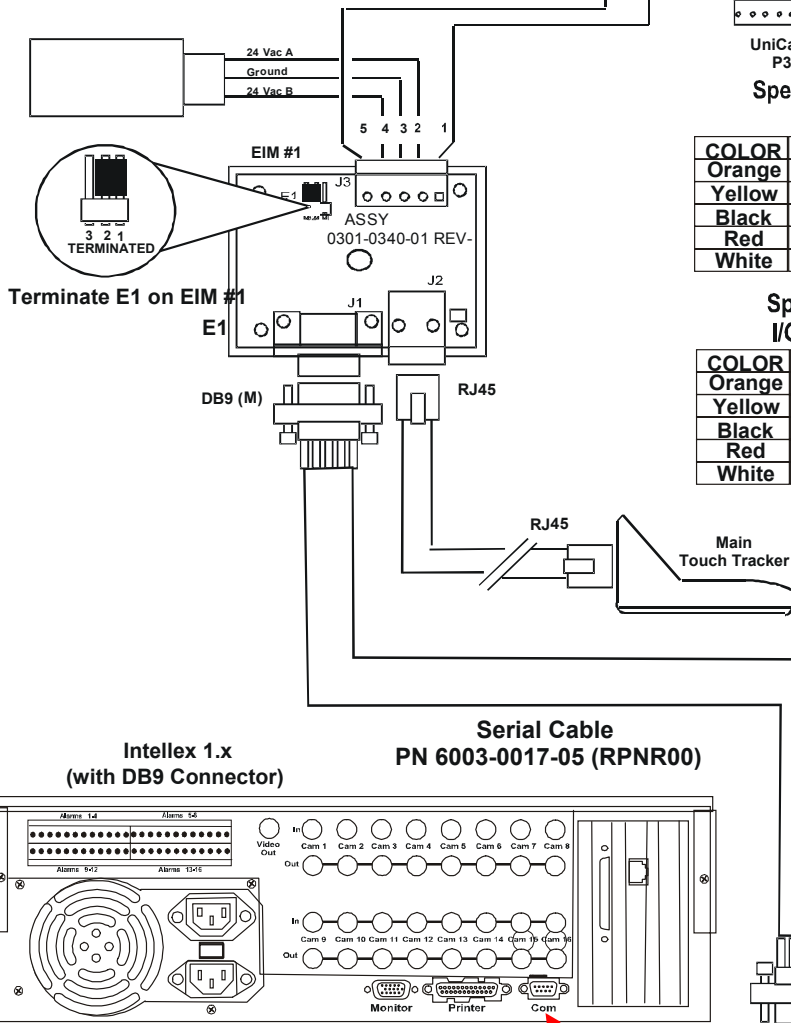


**SpeedDome UniCard P3 Wiring**

COLOR	PIN	FUNCTION
Orange	1	SensorNet A
Yellow	2	SensorNet B
Black	3	24 Vac A
Red	4	Ground
White	5	24 Vac B

**SpeedDome Ultra I/O Board Wiring**

COLOR	PIN	FUNCTION
Orange	P1 Lead 5	SensorNet A
Yellow	P1 Lead 6	SensorNet B
Black	P7 Lead 1	24 Vac A
Red	P7 Lead 2	Ground
White	P7 Lead 3	24 Vac B



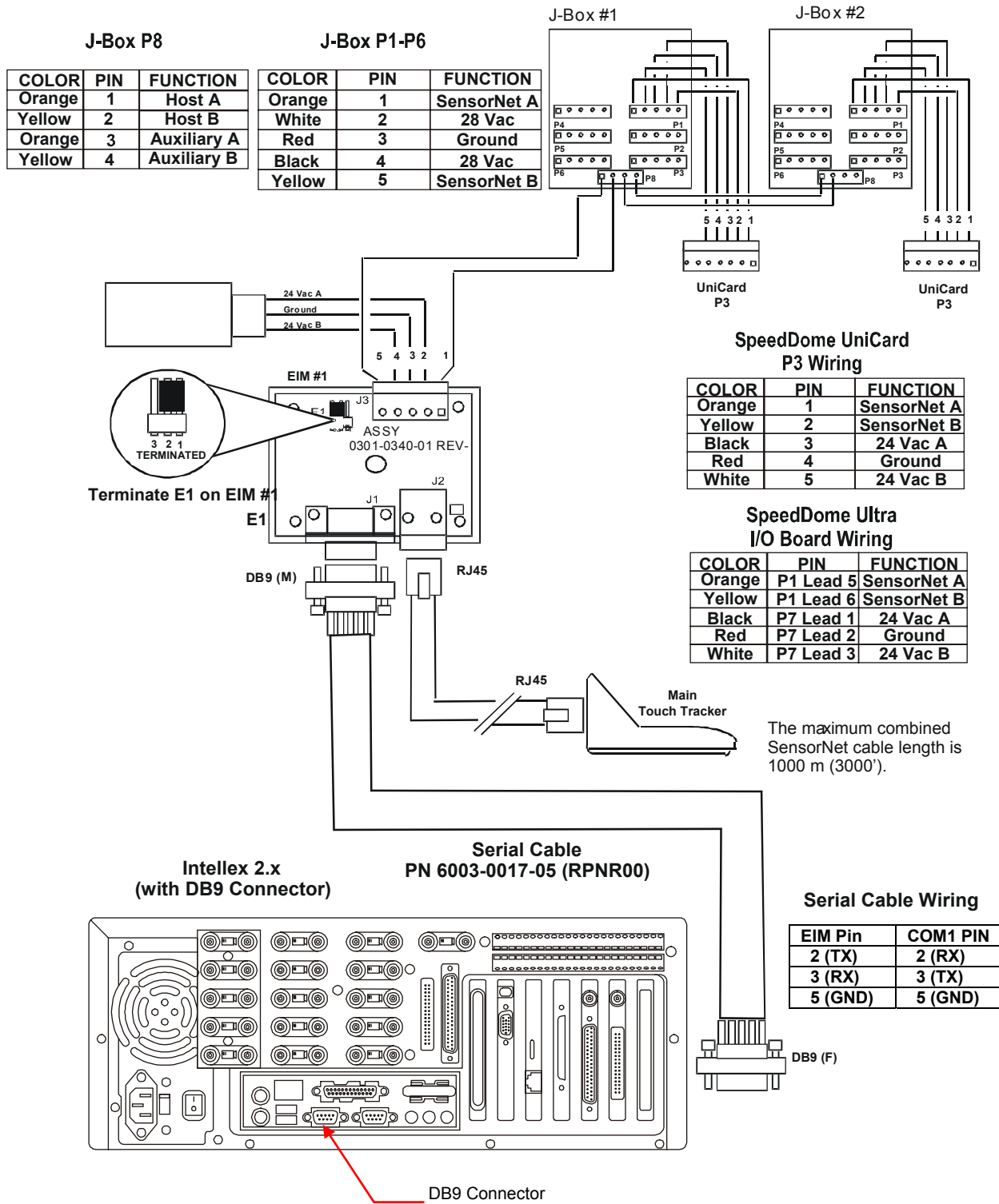
Terminate E1 on EIM #1

The maximum combined SensorNet cable length is 1000 m (3000').

**Serial Cable Wiring**

EIM Pin	COM1 PIN
2 (TX)	2 (RX)
3 (RX)	3 (TX)
5 (GND)	5 (GND)

# Intellex 2.x Connection



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## Calibrating the Tracker Ball

1. Press **Menu**. The **Calibration** menu option appears on the first line.
2. Press the left zoom/focus button (line 1) to select the **Calibration** menu option.
3. Follow the instructions on the LCD screen.
4. Press **Menu** to exit.

If you do not follow each instruction on the screen, the dome may not function properly. Re-calibrate the Tracker Ball if the dome does not pan or tilt properly. *Calibration is only for the ADTT16E Touch Tracker.*

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## Configuring Devices

1. Press **Menu**.
2. Using the Tracker Ball, scroll down to **Config Devices**.
3. Press the left zoom/focus button (line 1) or right zoom/focus button (line 2) to select the **Config Devices** menu option.
4. Press **Next** to step to the device configuration for this installation.
5. Press **Menu** to select the device configuration and exit.

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## Resetting a Dome

1. Use the number buttons to select the dome to reset, then press **Cam**.
2. Press **Menu**.
3. Using the Tracker Ball, scroll down to **Reset Dome**.
4. Press the left zoom/focus button (line 1) or right zoom/focus button (line 2) to select the **Reset Dome** menu option.

The ADTT16E Touch Tracker sends a request to the selected dome to reboot. After a brief delay, the controller returns to Camera Control Mode.

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## Toggling between Zoom and Focus

1. Press **Menu**.
2. Using the Tracker Ball, scroll down to **Tog Zoom/Focus**.
3. Press the left zoom/focus button (line 1) or right zoom/focus button (line 2) to select the **Tog Zoom/Focus** menu option.
4. Press **Next** to switch the zoom and focus functions between the right and left buttons.
5. Press **Menu** to exit.

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## Adjusting V-Phase

1. Press **Menu**.
2. Using the Tracker Ball, scroll down to **Adjust V-Phase**.
3. Press the left zoom/focus button (line 1) or right zoom/focus button (line 2) to select the **Adjust V-Phase** menu option.
4. Press **Next** or **Previous** to observe V-Phase through the oscilloscope or Fluke scope.
5. Press **Menu** to exit.

Off-line domes or fixed cameras will generate a warning beep and disallow use of the V-Phase utility.

## Providing System Information

1. Press **Menu**.
2. Using the Tracker Ball, scroll down to **System Info**.
3. Press the left zoom/focus button (line 1) or right zoom/focus button (line 2) to select the System Info menu option. The LCD screen displays the following message:

Primary Unit

4. Press **Next** to step through the following messages:

ROM Checksum  
0A7B

**Pan FSR Calibration Values**  
**Left Right**

Min	11	22	33	44
Max	55	66	77	88

**Up Down**

**Tilt FSR Calibration Values**

Product Code  
F 7000-0020-0102

**Indicates Flash PROM**

Product Code  
E 0701-0010-0105

**Indicates EEPROM**

5. Press **Menu** to exit.

## Performing SensorNet Ping Test

1. Use the number buttons to select a dome to reset, then press **Cam**.
2. Press **Menu**.
3. Using the Tracker Ball, scroll down to **Ping Dome/TTR**.
4. Press the left zoom/focus button (line 1) or right zoom focus button to select the **Ping Dome/TTR** menu option and test the selected dome.
5. Press **Next** to perform the network test on the Primary controller unit.
6. Press **Menu** to exit.

Off-line domes or fixed cameras will generate a warning beep and disallow use of the SensorNet network test.