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## Connecting CamSet.

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Please find below details of the wiring connections for running the IBM /PC WinCam, or CamSet, or SonySet programmes with the Mic1-300:

### Connecting the Greenwich RS232 to RS422 adaptor unit.

The /PC should be connected to an RS232 to RS422 adaptor unit via the /PC's serial port. If it is a notebook this will generally be Comm. port 1. A suitable adaptor unit is the Farnell 778-758 at £59.00. (Or RS No: 201-758) To connect the adaptor to the /PC you will also need a 9 pin D female to 25 pin D male RS232 compatible adaptor cable. Suitable cable is Farnell 960-573 (Or RS Part No: 202-644).

The adaptor should be set to DCE mode and it's power supply connected up.

Connections from the adaptor to the Mic1-300 power supply are as follows:

Adaptor Connections	House wire	HD4
F 778-758.	Colours.	Connection.
DATA OUT 6-3+	White	RXB
DATA OUT 5-4-	Yellow	RXA
	Screen	0v
DATA IN 4-5-	Blue	TXA
DATA IN 3-6+	Violet	TXB

The connections can be tested by selecting the DETECT button in CamSet and checking to see if the window below this button displays the address and software version No of the camera being tested.

Should problems be encountered then the Mic1-300 Video screen or 0v point should be connected via a separate wire to the /PC chassis or case to ensure 0v continuity.

### Connecting the KK systems K2-ADE RS232 to RS485 / RS422 adaptor unit.

This unit is self powered and so does not need external power to make it operate. This only works providing all connections on the RS232 to /PC side are made as follows:

RS232 Pin No.	Signal
2	Rx
3	Tx
4	DTR
5	Gnd
7	RTS

Alternatively the adaptor can be plugged directly into the back of the /PC.

If the RS485 / RS422 twisted pair cable between the adaptor and the Mic1-300 being controlled is very long (in excess of 200mtrs) then +9vDC power can be fed to pin 9 of the RS232 side of the KK adaptor (0v to pin 5). Care should be taken to ensure that +9v does not get to pin 9 of the /PC com port connector.

#### RS 485 2 wire mode.

RS485 connections and DIP switch settings for 2 wire mode should be made as follows:

Adaptor Connections	House wire	HD4	DIP switch	Setting
<b>K2-ADE. RS485</b>	<b>Colours.</b>	<b>Connection.</b>	Sw 1	ON
Pin 3	White	RXB	Sw 2	OFF
Pin 8	Yellow	RXA	Sw 3	OFF
Pin 5	Screen	0v	Sw 4	ON
Not required	Blue	TXA	Sw 5	OFF
Not required	Violet	TXB	Sw 6	ON

#### RS422 4 wire mode.

RS422 connections and DIP switch settings for 4 wire mode should be made as follows:

Adaptor Connections	House wire	HD4	DIP switch	Setting
<b>K2-ADE. RS422</b>	<b>Colours.</b>	<b>Connection.</b>	Sw 1	OFF
Pin 3	White	RXB	Sw 2	OFF
Pin 8	Yellow	RXA	Sw 3	OFF
Pin 5	Screen	0v	Sw 4	ON
Pin 2	Blue	TXA	Sw 5	OFF
Pin 7	Violet	TXB	Sw 6	ON

With all of the above in place and the CamSet program running on a note book with a Serial Comm port, set up to:

CamSet Tabs	2 Wire RS485	4 wire RS422
Comm 1	Selected	Selected
Interface	2 Wire	4 wire
RTS	Off	On
Baud	9600	9600

If the Note book does not have a serial Comm port then the USB port can be used and a USB to RS232 adaptor installed. Usually this will be mapped to Comm 3 or Comm 4 by the USB driver software.