LTC 4304 Series
Alligro System Transceivers
How to Connect - Application Note

OVERVIEW

The following information provides details for the different configuration possibilities for the LTC 4304 Alligro System Transceivers.

Note: You should note all the saftey warnings and cautions detailed in the Installation Instructions supplied with the unit.

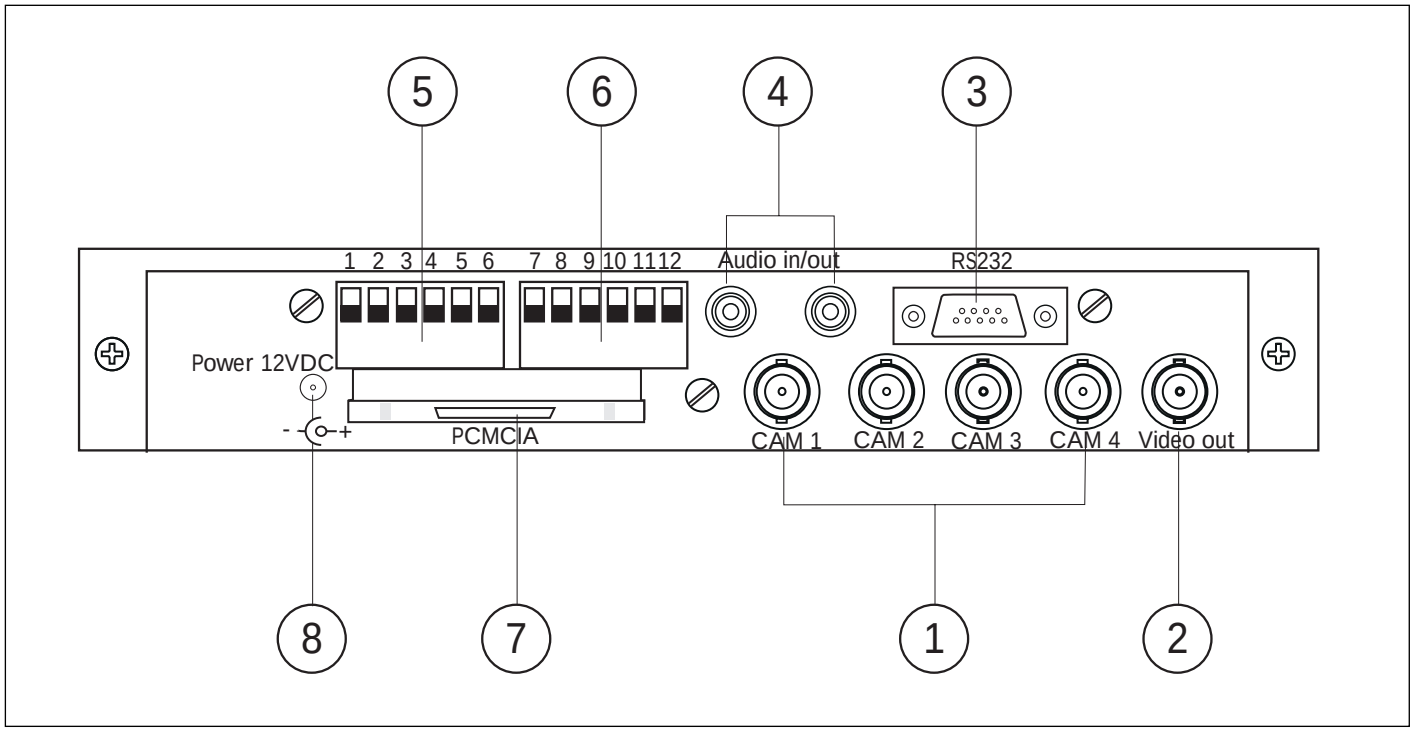


Figure 1 : Rear view of LTC 4303 Transceiver

CONFIGURATION POSSIBILITIES ARE DEFINED AS FOLLOWS

DIRECT CONNECTION - WITH NO PAN/TILT/ZOOM REQUIREMENT:

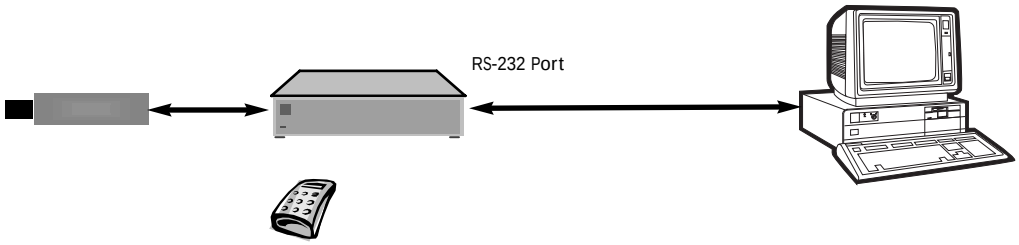
- No PCMCIA device is necessary. (Item 7)
- Communication uses the standard RS-232 port. (Item 3)

The transceiver configuration should be setup for:

- Communications:
  - RS-232 serial port.
  - Speed: 115200.
  - AT cmd:
  - Dial cmd:
- General:
  - Alarm call port: RS-232.

Connection between PC and Transceiver:

PC Port Pin No.	Transceiver Port Pin No.	Function
1	4	CD
2	3	Rx
3	2	Tx
4	1	DTR
5	5	Signal GND
6	6	DSR
7	8	RTS
8	7	CTS
9	9	Not used



Direct Connection (no PTZ)

DIRECT CONNECTION - WITH PAN/TILT/ZOOM:

- PCMCIA to RS-232 Converter is used (Manufacturer: Socket Communications Inc.; Part number: SL0700-004. Internet: www.socketcom.com). (Item 7) This port will be the communication port.
- Pan/Tilt/Zoom uses the standard RS-232 port. (Item 3)
- To convert the RS-232 to Biphase protocol you require the LTC 8780 Code Converter.

The transceiver configuration should be setup for:

- Communications:
  - RS-232 serial port: Speed 9600. (Depends on the LTC 8780 Code Converter setting: 1200, 2400, 9600, 38400).
  - PCMCIA port:
    - Speed: 115200.
    - AT cmd.
    - Dial cmd.
    - Address: 8000.
    - Command 1: 61
    - Command 2: 00
    - Command 3: 00
- General:
  - Alarm call port: PCMCIA.

Note: After change of any PCMCIA settings you MUST give the Transceiver a POWER reset.

Connection between Transceiver and LTC 8780 Code Converter:

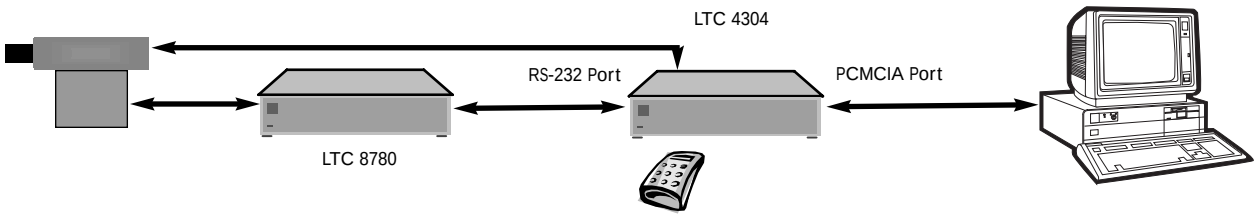
LTC 4304 Port Pin No.	LTC 8780 Port Pin No.	Function
2	3	Rx
3	2	Tx
5	5	Signal GND
7	8	Linked
8	7	

LTC 8780 Code Converter DIP switch settings: These MUST be set to the same speed as set for the LTC 4303 Transceiver RS-232 port. The LTC 8780 MUST be set to Biphase conversion.

S101:

Switch 1	Switch 2	Baudrate
OFF	OFF	1200
OFF	ON	2400
ON	OFF	9600
ON	ON	38400

Switch3: OFF (for RS-232 to Biphase)



Direct Connection (with PTZ)

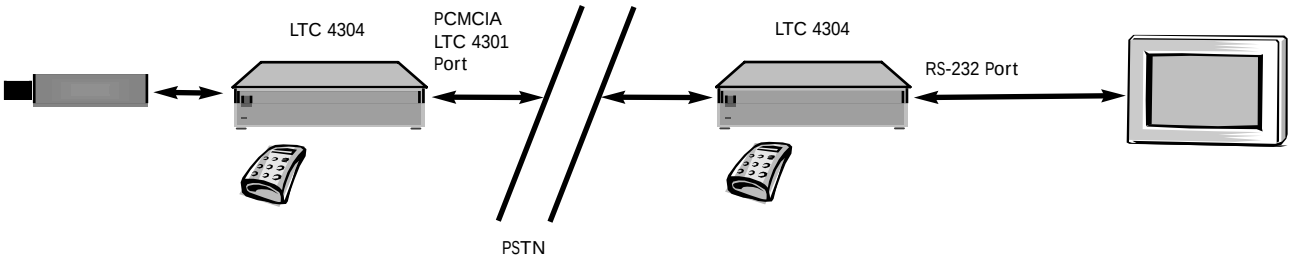
PSTN CONNECTION BOX-TO-BOX - WITH NO PAN/TILT/ZOOM REQUIREMENT:

- PCMCIA LTC 4301 is used. (Item 7) This port will be the communication port.

The transceiver configuration should be setup for:

- Communications:
  - PCMCIA port:
    - Speed: 57600.
    - AT cmd: AT&F\N2S0=2
    - Dial cmd: AT%TCBDT
    - Address: 07E0
    - Command 1: 42
    - Command 2: 00
    - Command 3: 00
- General:
  - Alarm call port: PCMCIA.

Note: After change of any PCMCIA settings you MUST give the Transceiver a POWER reset.



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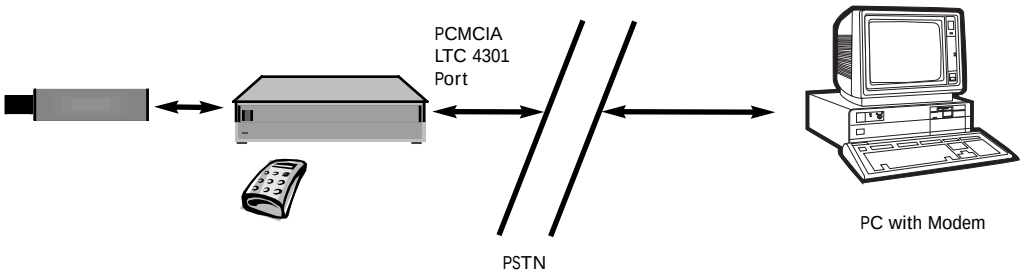

PSTN Connection (no PTZ)

PSTN CONNECTION BOX-TO-BOX - WITH PAN/TILT/ZOOM:

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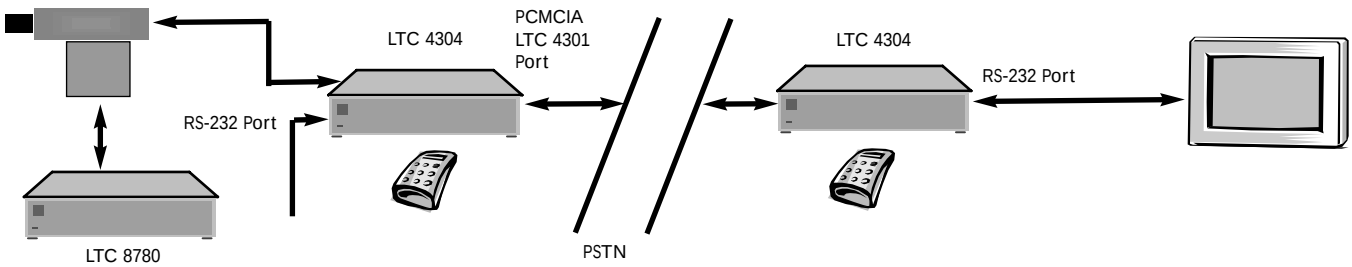

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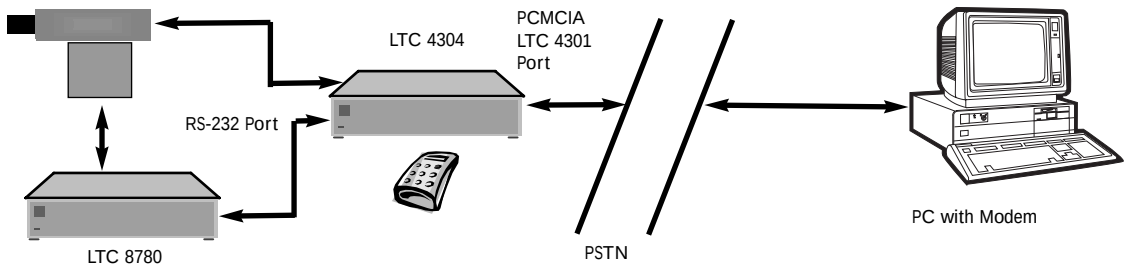


PSTN Connection (with PTZ)

ISDN CONNECTION BOX-TO-BOX - WITH NO PAN/TILT/ZOOM REQUIREMENT:

- No PCMCIA device is necessary. (Item 7)
- Communication uses the standard RS-232 port. (Item 3)
- Recommended ISDN Terminal Adapter: Zyxel Omni.net D*. Internet: www.zyxel.com.

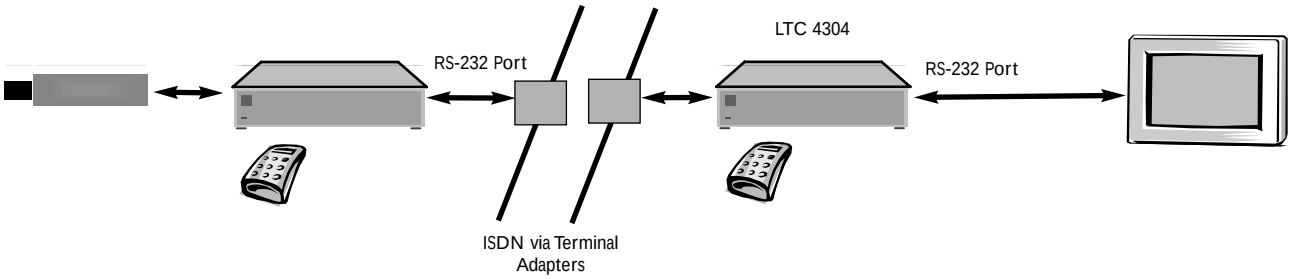
*Note: For compatibility you have to use the following Zyxel modems which support the Zyxel channel bundling:

- Omni.net series.
- Omni TA 128.
- Elite 28641.

The transceiver configuration should be setup for:

- Communications:
  - RS-232 serial port.
  - Speed: 115200.
  - AT cmd: ATB20S0=1&J3
  - Dial cmd: ATDT
- General:
  - Alarm call port: RS-232.

Connection between Transceiver and ISDN: Use standard cable supplied by Terminal Adapter.



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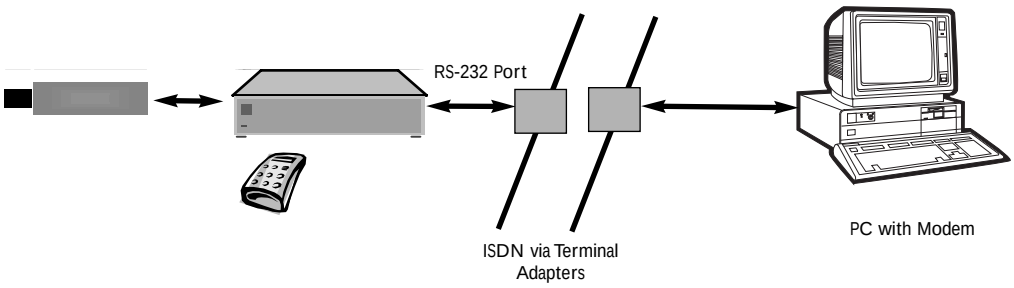

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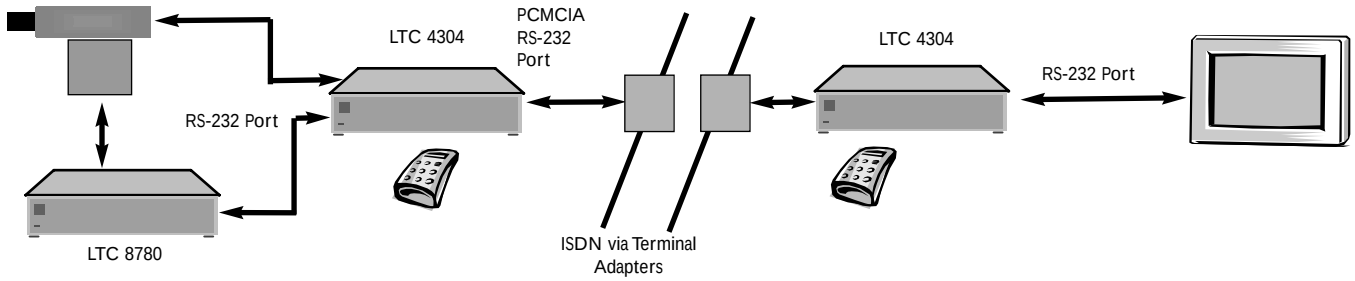

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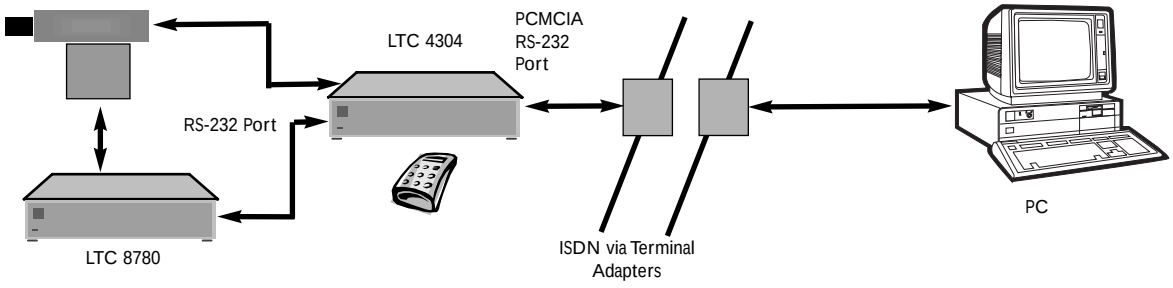

PSTN Connection (with PTZ)

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