

P2RS-PRO



PARALLEL TO SERIAL INTERFACE & SERIAL CASH REGISTER INTERFACE & REGCOM NETWORKING

Operation Manual

June 2010



Introduction

The P2RS-Pro is a multi-functional POS / Cash Register Interface peripheral. Similar to the P2RS the unit can tap or emulate Centronics Parallel printer data from a normal or enhanced LPT port of any POS or PC. This data also is exported via the Data RS-232 port in ASCII format to the VSI-Pro line of text inserters or directly to a DVR for display or database storage.

The P2RS-Pro has the additional features that allow up to 16 units to be daisy chained on the AVE RS-485 two conductor RegCom network to deliver all the POS data to one serial port of a DVR or multiple VSI-Pro devices.

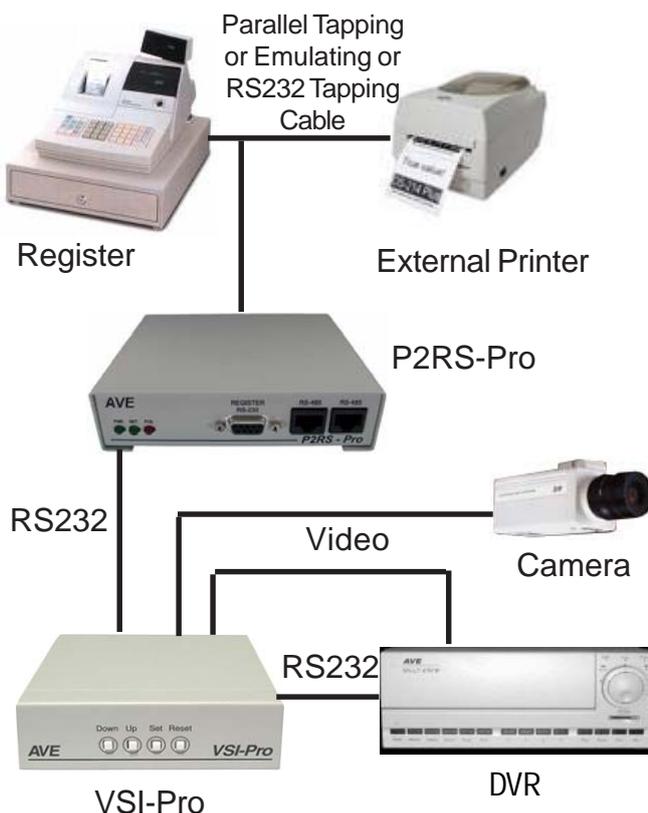
An additional high speed UART has been added to the P2RS-Pro to allow connection to any POS or Cash Register port accomodating any baud rate, parity, and bit selections and higher speeds to accomodate the latest IRC and communications protocol.

The P2RS-Pro is fully programmable by any PC or laptop running any communications program like Hyperterminal for full configuration.

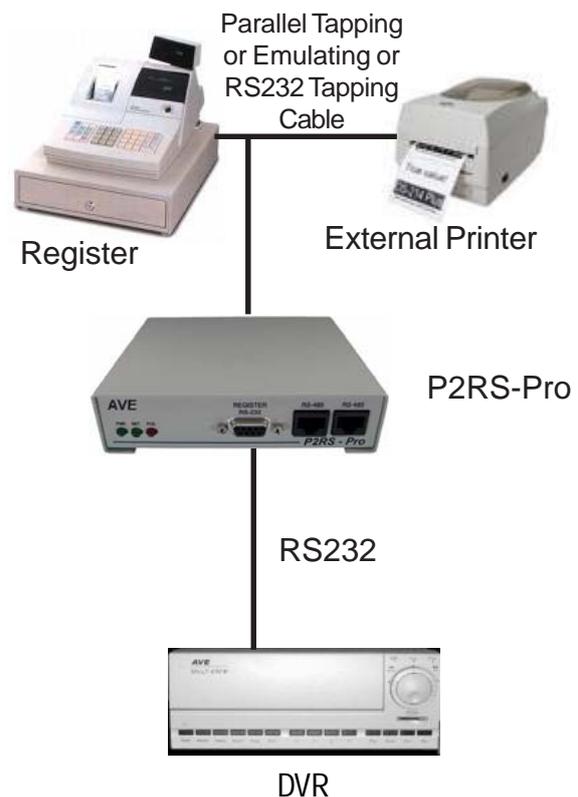
Advanced new software features for compatible devices, allow genlocking the DVR or Text inserter Time and Date to the POS or Cash Register to insure a seamless record of POS journal to CCTV recording. Alarming the recording device when POS data is recieved is also available.

P2RS-Pro Standard Connections

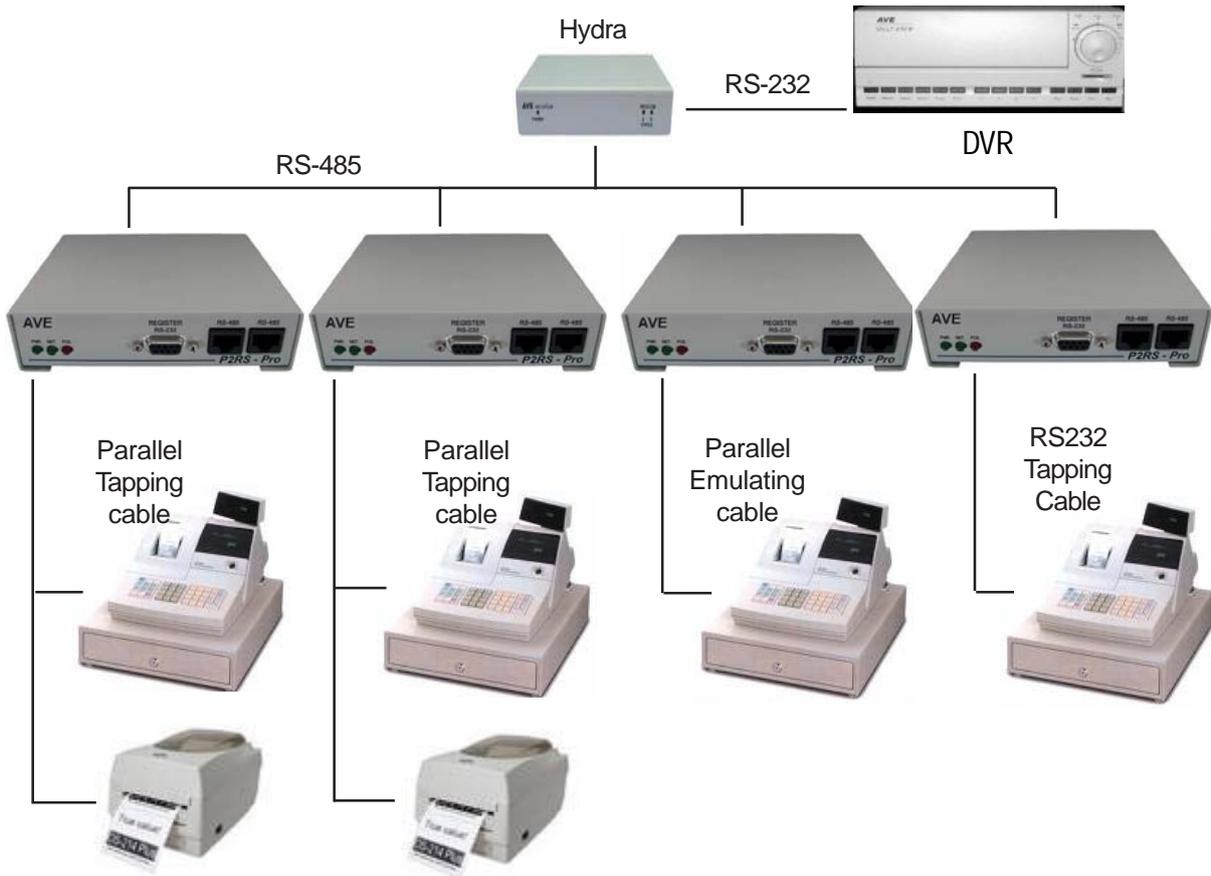
1. P2RS-PRO with VSI-Pro connection.



2. P2RS-PRO without VSI-Pro.



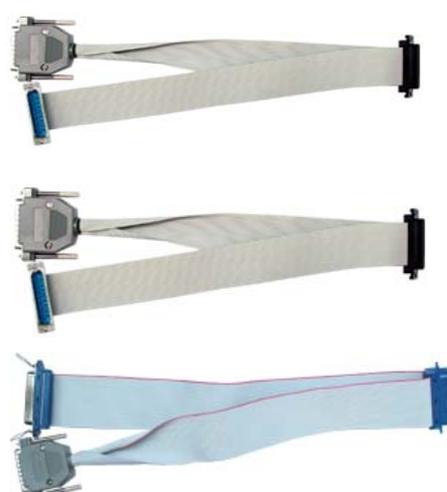
3. P2RS-Pro with AVE RS485 Network and MVDR5000.



Cables

Centronics Parallel Printer Cables

Advise of your register printer output connector to meet AVE Printer Cables before ordering.



1. 021-076-SF DB-25 Emulating Cable. This cable will connect directly from the POS to the P2RS-Pro. This mode will not require any printer connected on register.
2. 021-073-SF DB-25 Printer Tap Cable. This cable taps the DB25 connector on the rear of the POS which connects to the printer.
3. 021-077-SF Centronics Printer Tap Cable. This cable taps the Centronics DB37 connector on the rear of the printer.

021-072-SF P2RS TO VSI-Pro with DataDump Cable

P-2-RS DB-9F	VSI-Pro DB-9M	DVR DB-9F
3-----	2	
8-----	8	
1-----	5-----	5
	1-----	1
	3-----	2
	7-----	7

021-161-SF P2RS Programming Cable

<u>P-2-RS DB-9F</u>	<u>DVR DB-9F</u>
3-----	2
4-----	3
1-----	5

021-157-SF P2RS DIRECT TO DVR Cable

<u>P-2-RS DB-9F</u>	<u>DVR DB-9F</u>
3-----	2
8-----	7
1-----	5

021-160-SF P2RS Firmware Programming Cable

<u>P-2-RS DB-9F</u>	<u>PC DB-9F</u>
3-----	2
4-----	3
1-----	5
2-----	4

The Data RS232 Baud Rate is fixed at baudrate 9600,8,N,1

Gilbarco Passport Tapping Cable

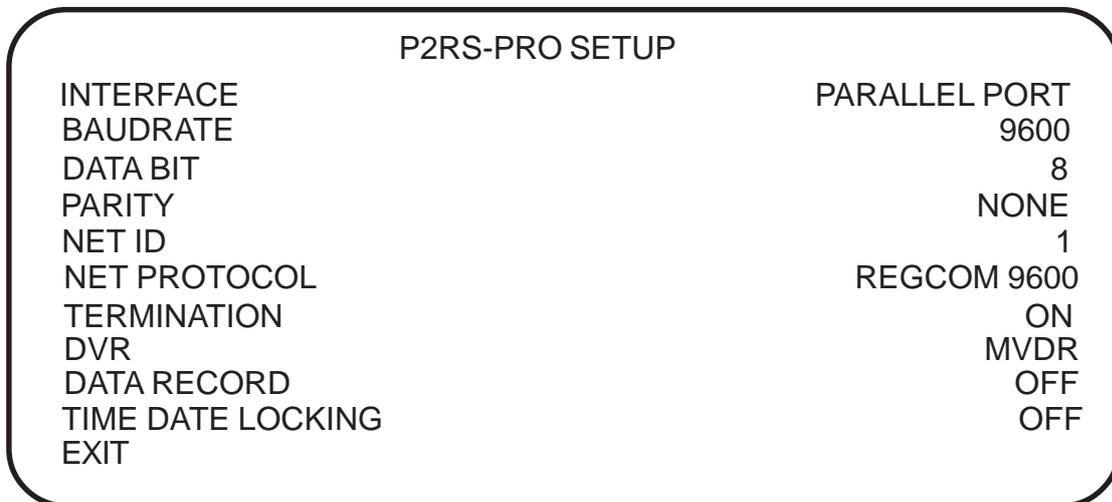
There are 2 types of connections, please verify before ordering

021-164-SF DB15 Gilbarco Passport Triport Tapping Cable

021-165-SF DB9 Gilbarco Passport Triport Tapping Cable

P2RS-Pro Setup

Connect the P2RS-Pro Programming cable to the back panel of P2RS-Pro DB9 connector labeled "DATA" (021-161-SF) to your laptop or PC and run any communications program like HyperTerminal at baudrate 9600,n,8,1 with VT100 emulation. Press ESC key (1BH), [(5BH) and P (50H) to enter to the Main Menu.



Use the Cursor Up,Down,Left,Right and Enter Button to move the cursor for choosing or Setting the configurations.



Power Data Port Parallel Printer



LEDs POS Port RegCom RS-485

INTERFACE

Select the type of the interface such as Parallel Port at the rear panel of P2RS-Pro or select the Cash Register Port and when data is coming the red POS LED will be lighted.

BAUDRATE

This is the baudrate of the POS / Cash Register Serial Port at the front panel that you can select baudrate between 1200 and 115200

DATA BIT

This is the number of data bits for Register Serial Port between 5 and 8 bits.

PARITY

The selections are NONE or ODD or EVEN for parity bit of Register Serial Port.

NET ID

This is a address of AVE RS485 network between 1 and 16 when connected to the network the green NET LED at the front panel will be lighted.

NET PROTOCOL

This is a RS485 network protocol that is used with the NET ID by connecting via RS485 port on the front panel.

TERMINATION

The Termination must turn ON with First and Last unit of the RS485 Network.

DATA OUTPUT

Select the RS232 output format for Data RS232 port at the rear panel.

NONE	No Data output for the Data RS232 port
ASCII	Data output will be sent via the Data RS232 port
VSI-ADD	This will send the AVE VSI-ADD format via Data RS232 port
MVDR	This is the AVE MVDR DVR protocol sent via Data RS232 port

DATA RECORD

This function will send the command to another device or DVR for triggering the alarm recording at the starting of the transaction.

TIME DATE LOCKING

This function will send the command to the DVR for updating Time and Date when the P2RS-Pro finds the matching Time and Date format in the transaction.

OFF	No update time and date on the DVR when found time and date format in the transaction.
ON(MDY)	Update time and date on Month/Date/Year Format
ON(DMY)	Update time and date on Date/Month/Year Format
ON(YMD)	Update time and date on Year/Month/Date Format

LIMITED WARRANTY

(Terms and Conditions)

For **2 Years** from the date of shipment, Seller warrants to Buyer that the Product is free from defects in material or workmanship **under normal use and service**. Equipment manufactured by other than Seller but furnished by Seller carries the same warranty to Buyer as Seller receives from the other manufacturer, notwithstanding any provision to the contrary. If Buyer has specified a particular manufacturer's product which is not the brand standardly supplied by Seller, Buyer shall look only to the other manufacturer's warranty and Seller shall not warrant such item.

EXCLUSIONS. Seller's warranty does not cover the following :

1. In-transit damage claims, improper handling by carrier or post office.

(Only the consignee of the shipment can file a claim with the common carrier.)

2. Damages caused by incorrect use, modification, carelessness, improper storage, hostile operating conditions, or unauthorized service, installation or repairs without proper training from the Seller.
3. Damages caused by fire, flood, lightning, collision, acts of God or other events beyond the control of Seller.
4. Products or parts thereof that have had serial numbers removed, altered or defaced.
5. Products returned without an RMA number and sales or delivery receipt showing the date of original purchase.
6. Use of components that do not meet Seller's specifications.
7. External parts such as cabinets or keypads.
8. Periodic maintenance and adjustments resulting from normal use.

WARRANTIES EXCLUDED, SELLER EXPRESSLY DISCLAIMS AND EXCLUDES ANY EXPRESS OR IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEEDS OR IS INCONSISTENT WITH THE WARRANTY HEREIN EXPRESSLY SET FORTH.

NON-WARRANTY CLAIMS

In the event Buyer makes a warranty claim and Seller's warranty does not apply, Buyer shall reimburse Seller for all reasonable expenses incurred by Seller in diagnosing the installation/repair problem.

BUYER'S EXCLUSIVE REMEDIES

If the Product supplied shall fail to conform to the contract or any applicable warranty, Buyer shall immediately notify Seller of such condition and afford Seller a reasonable opportunity to inspect said Product. Seller shall, at its option, either repair or replace such nonconforming Product. Seller shall not be responsible for labor charges for removal or installation of such equipment or material or charges for transportation, handling and shipping except as provided in Seller's written service policy. No Product shall be returned without Seller's prior written consent.

SELLER SHALL NOT BE LIABLE FOR ANY SPECIAL, DIRECT INCIDENTAL OR CONSEQUENTIAL DAMAGES OF A COMMERCIAL NATURE ARISING OUT THE USE OF OR INABILITY TO USE SELLER'S PRODUCT BY REASON OF THE FACT THAT SUCH PRODUCT DOES NOT CONFORM TO THE CONTRACT OR TO ANY EXPRESS OR IMPLIED WARRANTY. SELLER'S MAXIMUM LIABILITY SHALL BE LIMITED TO THE COST OF REPAIR AND/OR REPLACEMENT OF THE PRODUCT CLAIMED TO BE DEFECTIVE OR NONCONFORMING, SUBJECT TO SELLER'S RIGHT OF REMOVAL AND RETURN OF PRODUCT.

All of the foregoing constitute Buyer's sole and exclusive remedy and Seller's sole and exclusive liability for supplying nonconforming or defective Product.

RETURNS

AVE products are fully inspected and carefully packed to ensure you are delivered a quality product in good condition. If you are not fully satisfied with our product, returns of standard stocking items with no restocking fee can be made within thirty (30) days of invoice to Buyer. All such returns must have prior consent of Seller by obtaining an RMA number and must include the sales or delivery receipt showing the date of original purchase and be in an unused condition contained in its original packaging. Any other returns must have prior written consent of Seller and are subject to a restocking fee of fifteen percent (15%) and freight charges.

RMA NUMBER

The RMA (Return Material Authorization) number must be obtained by contacting Seller prior to the shipment of the product for return. The RMA number is valid only for 15 days from the date of issue. The RMA number must be clearly displayed on all shipping labels.

NOTES



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