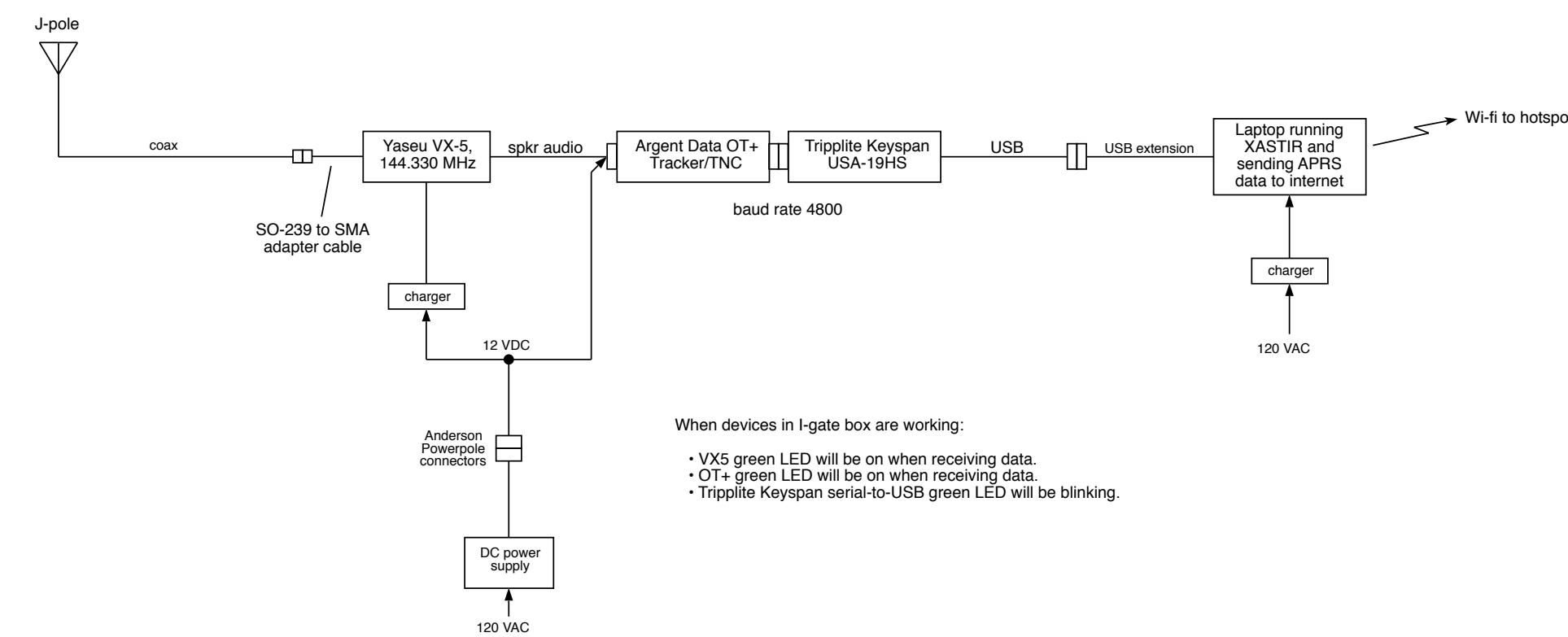


I-Gate Station Wiring Diagram, PM-E1003



When devices in I-gate box are working:

- VX5 green LED will be on when receiving data.
- OT+ green LED will be on when receiving data.
- Tripplite Keyspan serial-to-USB green LED will be blinking.

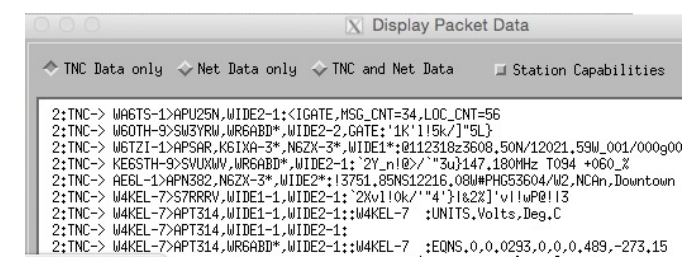
- Drawing Index:
- PM-E1000 General Wiring Diagram
 - PM-E1001 Primary Air-to-Ground Wireless Video Wiring Diagram
 - PM-E1002 Secondary Air-to-Ground Wireless Video Wiring Diagram
 - PM-E1003 I-Gate Station Wiring Diagram
 - PM-E1004 UHF Wireless Video Wiring Diagram
 - PM-E1005 Video Receive, Select, and Stream Wiring Diagram
 - PM-E1006 GPS and PulseOx to APRS Transmitter Wiring Diagram
 - PM-E1007 Weather Station Wiring Diagram
 - PM-E1008 Jumper 2-Way Radio Communications Wiring Diagram
 - PM-E1009 Jumper 10-meter HF Global Communications Wiring Diagram

Establishing an I-gate station using Mac laptop per Michael NE6RD

- Log on to laptop.
- Start Terminal window, type in "xastir" (xastir runs in X11).
- Setup location for I-gate station:
 - bring NE6RD, using zoom out and arrows, to show desired location.
 - move mouse to location, right click, "move my station here"
- Yaesu VX-5.
 - red button power on
 - position bump on left knob pointing down (puts squelch in right place)
 - frequency to 144.330 MHz
 Note: when powering down I-gate hardware, use red button to turn off VX-5.
- Connect to hotspot via "System Preferences"
 - Select "Network"
 - Turn Wi-Fi On
 - Log into hotspot
- Pulldown "Interface" Interface control,
 - Device 1: click "interface server" (start)
 - Device 2: click "KISS TNC" (start)
- If need to set serial-to-usb (serial port), click DataSender
On DataSender, click "connect," APRS runs at 4800 baud.
- To see what's going on, pull down "View" and select "incoming data" and should see "Display Packet Data" with raw APRS text (example below).

Note: Reboot laptop between each jump as software gets finicky.

9. After reboot, may need to do a rescan on Datasender.



NOTES: UNLESS OTHERWISE SPECIFIED

- 1 APPLY
- 2 APPLICATION

1	10-15-15	Revised instructions.	MF Wright
0	10-13-15	initial release	MF Wright
REV	DATE	REVISION DESCRIPTION	DRAWN APP

PARACHUTE MOBILE "In The Air, On The Air"
www.parachutemobile.org

Parachute Mobile Communication Systems
I-Gate Station Wiring Diagram

DRAWN MF WRIGHT	CHK	INDEX	FSCM. NO.	LIMITS UNLESS NOTED
DESIGN ENGR M. PECHNER	TEAM POSITION Video Ops		DATE 10-15-15	
NEXT ASSY	USE ON	CONSULTANT M. PECHNER	AS DWG NO Sheet 1 of 1	REV
APPLICATION		TEAM COORDINATOR R. FENN	SCALE NONE	PM-E1003
				1