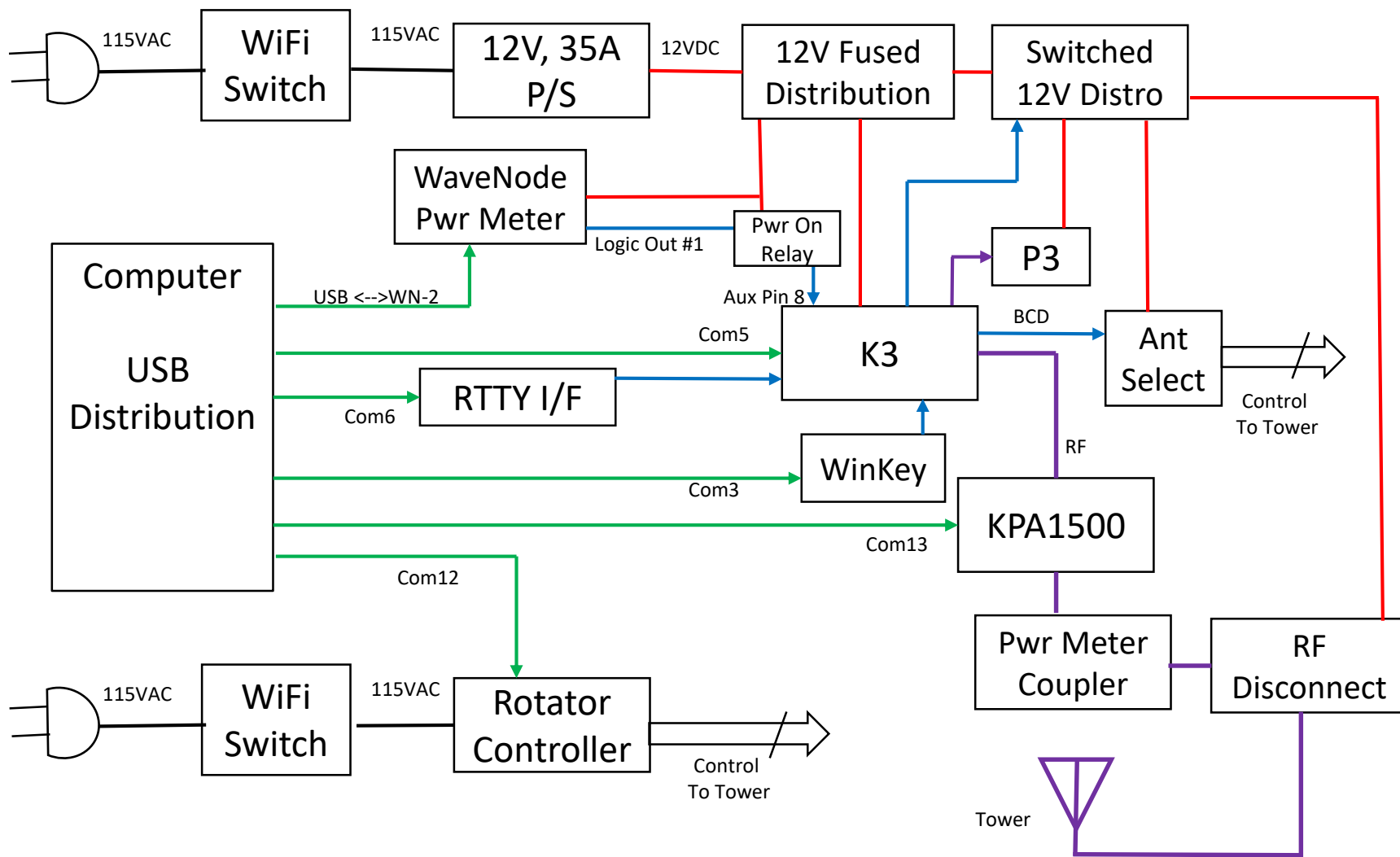


Station Block Diagram



Remote Initiation Sequence (DRAFT)

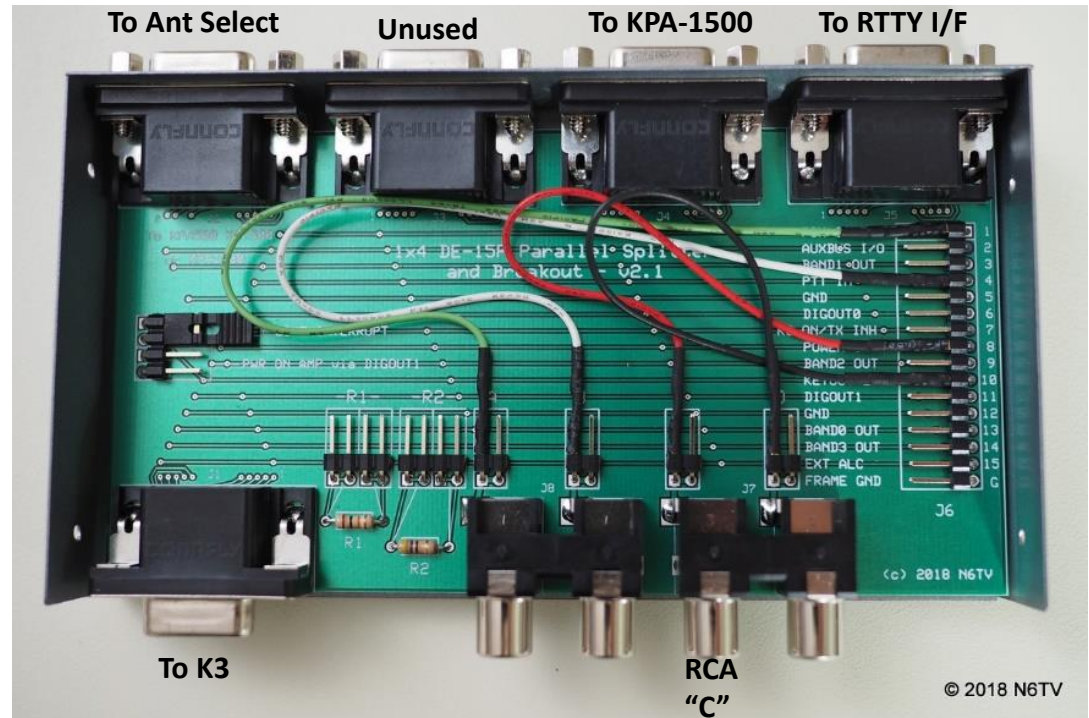
- Turn on 12V p/s via WiFi switch
- Turn on Rotator Controller via WiFi switch
- Connect remotely with TeamViewer
- Using Local (client) computer take control of Remote (server) computer through TeamViewer:
 - Start WN-2d SW; Turn 'Logic Out #1' switch 'On'
 - Start Win4K3Suit SW; Rotator Controller SW, HRD Logbook and Wkremote start automatically
 - Start MMTY as required
 - Ensure DUC is running in the background (No-IP forwarding service)
 - Go to Window Sounds > Microphone (C-Media USB Audio Device) > 'Listen' Tab > Check 'Listen to this Device' box
 - In WN-2d SW turn 'Logic Out #1' switch 'Off'
- On Local (client) computer start WKremote

Remote Shut Down Sequence (DRAFT)

- In TeamViewer window:
 - Shut off KPA-1500 if on
 - In Win4K3Suit, initiate 'Turn Off K3, KPA500 and Exit'
 - 'Park' antenna
 - Shut down other SW: Rotator Controller, HRD Logbook, WKremote, MMTY, WN-2d
- Disconnect remotely with TeamViewer
- Turn off Rotator Controller via WiFi switch
- Turn off 12V p/s via WiFi switch

N6TV Y-Box Configuration

- Standard Y-Box
- RCA “C” connected to Pin 8 of 15 pin AUX connector on K3 with **RED** wire
- Grounding Pin 8 provides remote Turn On of K3
- RCA “C” connected to switch controlled by WN-2d, Logic Out #1 SW switch



WaveNode WN-2d Control of K3 Power On Relay

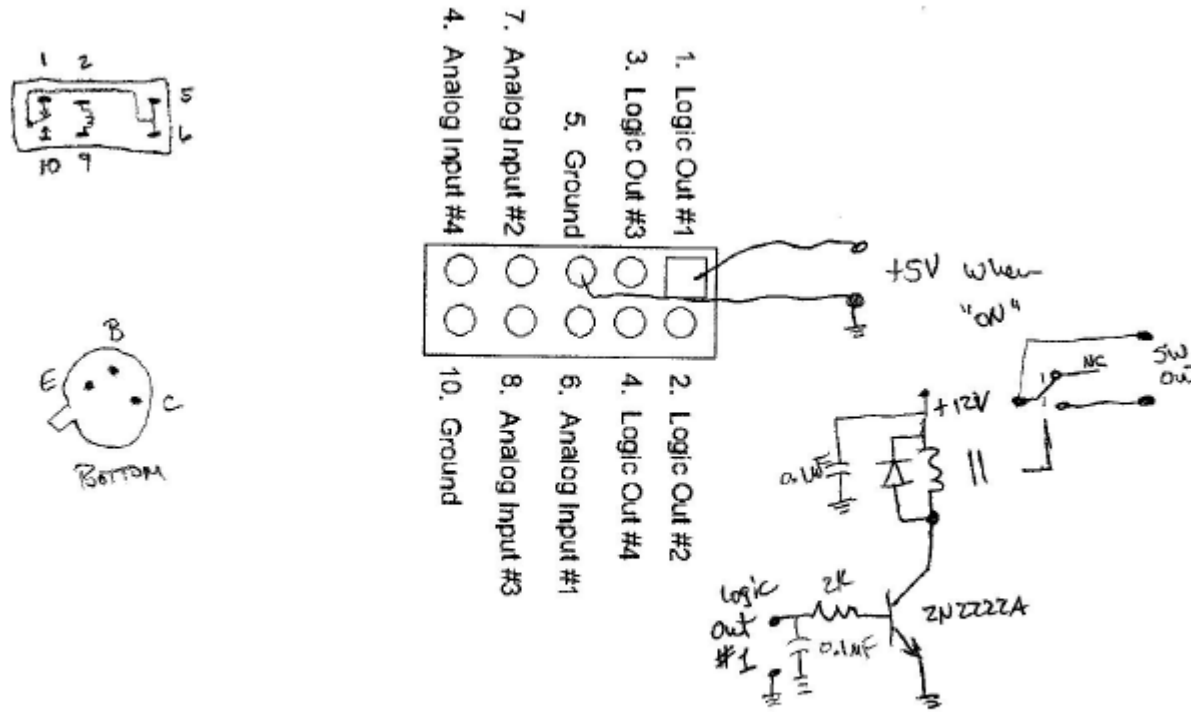
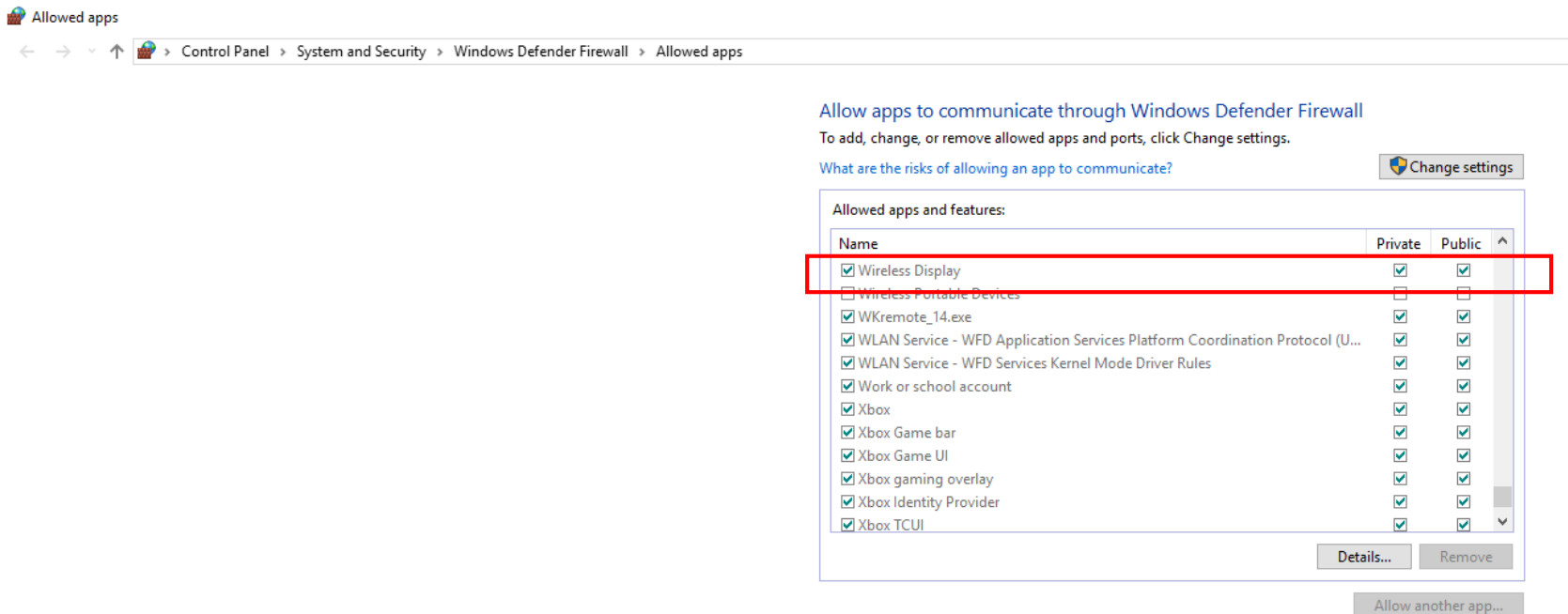


Figure #1. The Expansion Connector (Rear Panel)

Pin Assignment and Function for Expansion Connector

Windows Firewall Setup

- Allow Wkremote access through the MS Windows firewall
- Both remote (server) and local (client) computer



The screenshot shows the Windows Firewall 'Allowed apps' settings window. The breadcrumb path is 'Control Panel > System and Security > Windows Defender Firewall > Allowed apps'. The main heading is 'Allow apps to communicate through Windows Defender Firewall'. Below this, there is a 'Change settings' button and a link for 'What are the risks of allowing an app to communicate?'. The 'Allowed apps and features' table is shown with a red box highlighting the 'Wireless Display' row. The table has columns for 'Name', 'Private', and 'Public'. Other apps listed include 'Wireless Portable Devices', 'WKremote_14.exe', 'WLAN Service - WFD Application Services Platform Coordination Protocol (U...', 'WLAN Service - WFD Services Kernel Mode Driver Rules', 'Work or school account', 'Xbox', 'Xbox Game bar', 'Xbox Game UI', 'Xbox gaming overlay', 'Xbox Identity Provider', and 'Xbox TCUI'. At the bottom, there are 'Details...' and 'Remove' buttons, and an 'Allow another app...' button.

Name	Private	Public
<input checked="" type="checkbox"/> Wireless Display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Wireless Portable Devices	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> WKremote_14.exe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> WLAN Service - WFD Application Services Platform Coordination Protocol (U...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> WLAN Service - WFD Services Kernel Mode Driver Rules	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Work or school account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Xbox	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Xbox Game bar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Xbox Game UI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Xbox gaming overlay	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Xbox Identity Provider	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Xbox TCUI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Virtual Com Port Configuration

- Com0Com:
 - Pair 0:
 - Com20 – K3 (Win4K3)
 - Com30 – N1MM+
 - Pair 1:
 - Com21 – K3 (Win4K3)
 - Com31 – WinKey
- Notes:
 - N1MM+ works when Com5 is connected to K3 and set in Win4K3 as Com20, then radio configured in N1MM+ as Com30. However, frequency response in N1MM+ is slow (lags). Also, WinKey has to be set to Com3 (not Com31)
 - WinKey Remote, not working with Com21/31 pair. Only appears to work properly when connected directly to Com3 at the remote (server) side.
 - When properly configured, WinKey Remote between Server/Client is much faster (less lag) than Win4K3 terminal connected to WinKey directly and controlled remotely through TeamViewer. Local sidetone at client still a mystery.