



## NOTES:

1. The concept within this unit is to switch everything using relays-as much as possible. Even the rotary switches.
2. Virtually all signal I/O will be via gold RCA-type connectors
3. Every I/O relay contact set will relate to a given pair or trio of input connectors. Which relay relates to which switch-or switch position-can be changed via the wire-wrap Relay Programming Block. Should a connector or relay contact fail, the function relationship can be changed by enabling a different relay-connector set with a minimum of wiring using the RPB.

CONNECTIONS: INPUT		CONNECTIONS: OUTPUT	
A:	HF Audio Input 1	W:	+ 28 VDC
B:	HF Audio Input 2	X:	+ 12 VDC
C:	HF Audio Input 3	Y:	GROUND
D:	HF Audio Input 4	Z:	GROUND
E:	HF Audio Input 5	A1:	GROUND
F:	HF Audio Input 6	B1:	+24 VDC 24/7 DUTY CYCLE
G:	HF Audio Input 7	C1:	GROUND
H:	HF Audio Input 8	D1:	Tape Line-Level Input
J:	VHF-UHF Audio Input 1	E1:	Tape Remote Switching
K:	VHF-UHF Audio Input 2	F1:	
M:	VHF-UHF Audio Input 3	G1:	
N:	VHF-UHF Audio Input 4	H1:	
P:	VHF-UHF Audio Input 5	J1:	
Q:	VHF-UHF Audio Input 6	K1:	
R:	VHF-UHF Audio Input 7	M1:	
S:	VHF-UHF Audio Input 8	N1:	
T:	Key Input	P1:	
U:	T/R Sense-Line	Q1:	
V:	+ 48 VDC	R1:	
		aa:	HF Speaker Output 1
		bb:	HF Speaker Output 2
		cc:	HF Speaker Output 3
		dd:	HF Speaker Output 4
		ee:	VHF-UHF Speaker Output 1
		ff:	VHF-UHF Speaker Output 2
		gg:	VHF-UHF Speaker Output 3
		hh:	VHF-UHF Speaker Output 4
		jj:	RTTY Line-Level Output 1
		kk:	RTTY Line-Level Output 2
		mm:	RTTY Line-Level Output 3
		nn:	RTTY Line-Level Output 4
		ww:	+ 28 VDC
		xx:	+ 12 VDC
		yy:	
		zz:	
		a1:	
		b1:	+24 VDC 24/7 DUTY CYCLE
		c1:	GROUND
		d1:	Tape Line-Level Output
		e1:	Tape Remote Switching
		f1:	
		g1:	
		h1:	
		j1:	
		k1:	
		m1:	
		tt:	Key Output
		uu:	T/R Sense-Line
		vv:	+ 48 VDC

TITLE:		PAGE NR:
Audio Control Center Block Diagram		1 of 1
		CONNECTIVE COUNT:
		n/a
		VERSION:
		2.0
FILENAME:	SECTION:	DATE:
Block_Diagram	HR\Projects\Audio Distribution	2001 04 18
E. T. TANTON		N4XY