

1. Function Introduction

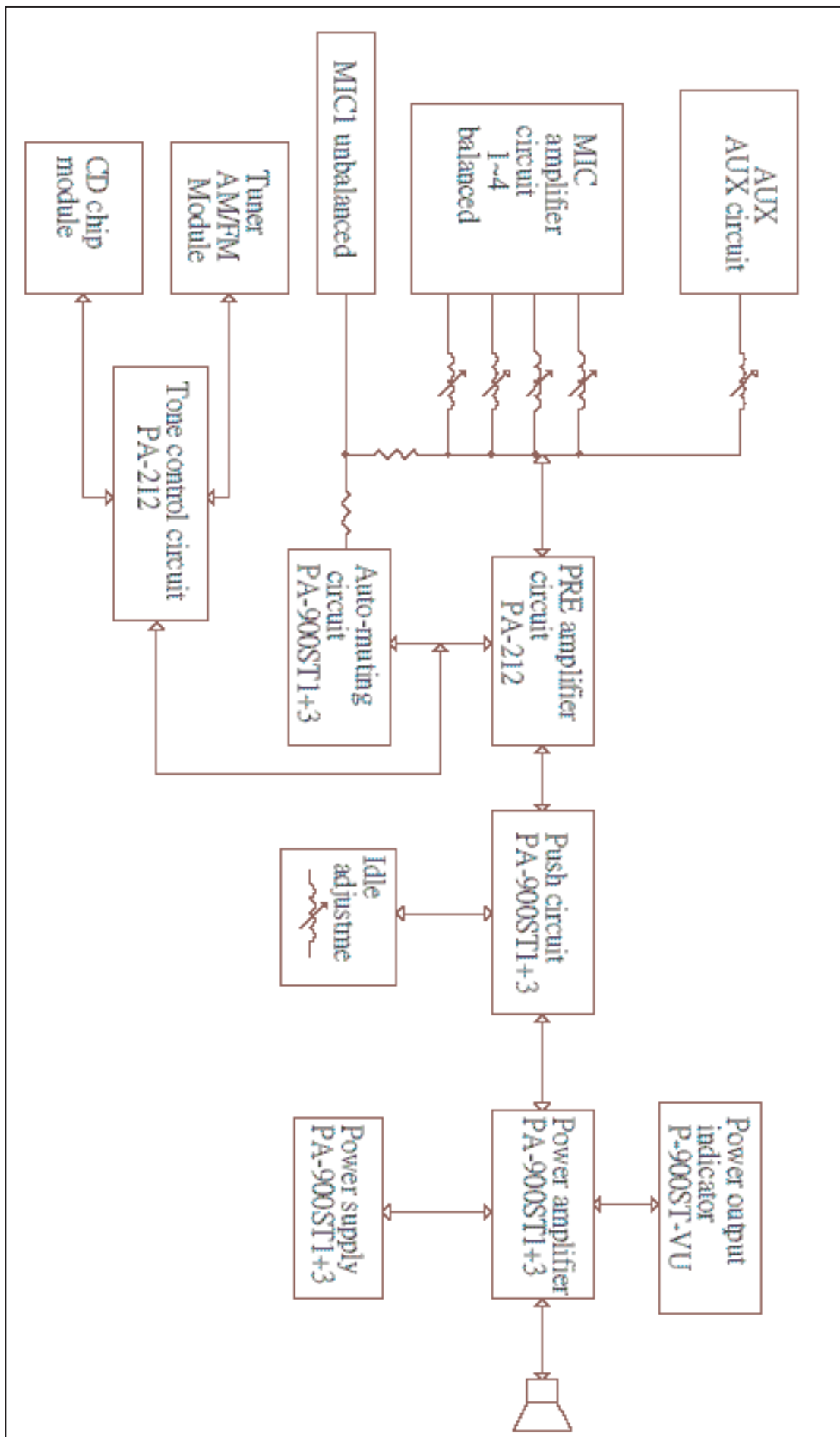
SA-9120CDT is a digital cassette receiver amplifier. It can be used both as digital CD player and digital tuner and provides the following features:

- 4 balanced MIC inputs, 2 AUX inputs, stereo RCA inputs can be applied to various audio devices, independent volume control on front panel.
- 1 unbalanced MIC input with 6.3F jack, auto-mute function for all different applications.
- Discrete controls for treble and bass, high dynamical range.
- Master volume control can adjust the level of all audio sources
- Digital electronic tuner with multi-functions: up to 7 channels can be stored in memory, automatic or manual channel scanning, mute function, high receiving sensitivity and high quality sound. Telescopic antennas and loop antennas ensure outstanding receiving effect.
- Digital CD player: high S/N ratio and low noise, low distortion, all function keys use touch controls, more convenient operation.
- Self-protection circuit design, automatically shut down if short or overload.
- Low impedance output for different low impedance speakers, high voltage output for remote paging and suitable for all kinds of requirements.

2. Specification

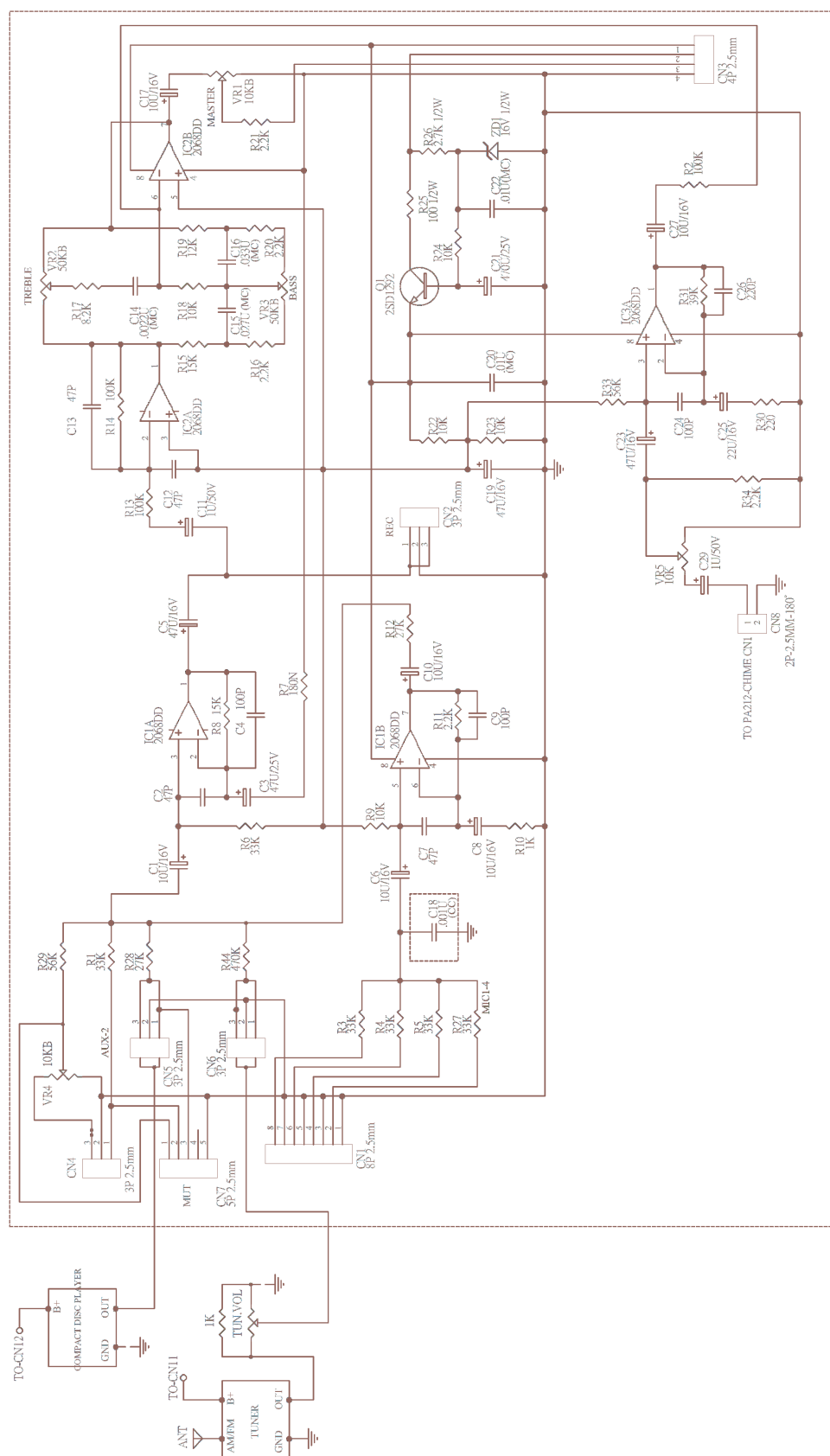
1. Power output: Rated: 120Wm, Max: 180W.
2. Output regulation: Less than 2dB from idle to full load.
3. Outputs: Speaker output (balanced)
4O(21.9V), 8O(30.9V), 16O(43.8V), 70V(42O), 100V(83O)
RECV: 4.7Kohms, 650mV
SEND: 600ohms, 1V
4. Frequency response: 50~15,000Hz
5. Signal to noise ratio: All volume controls C.C.W.: 80dB below at rated power
Microphone: 80dB below at rated power
AUX1&AUX2: 80dB below at rated power
6. Tone controls: BASS: ± 10 dB at 100Hz
TREBLE: ± 10 dB at 10KHz
7. Indicator: power indicator and LED output level meter
8. AC power supply: 230V, 50Hz
- 9: DC power supply: 24V
10. AC power consumption: 295W at rated output
11. DC power consumption: 8A at rated output.
12. Dimension: 450(W) x 330(D) x 150(H) mm
13. Weight: 12kg
14. Color: Black

3. Block Diagram



4. Schematic Diagram

PA212-PRE-2 (CD)



Title		Revision	
Size	Number	Revision	
A3	PA212-PRE-2<DTS>	012699	
Date:	9-Aug-2001	Sheet of	
File:	D:\PR\12\PRE-2 SCH	Drawn by: DERRIE	

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Test Result

Test Item		Test Conditions	Spec.	Test Result	Remark
1	Power Source		AC:230V/50Hz	AC:220V/50Hz	
2	Idle Current	DC: 24V, Load: 40	470mA±15mA	470mA	Add fan 250mA
3	Power Consumption	Rated Output. AUX at 1KHz	1.32A 255W	1.3A 240W	Flat
4	Rated Output	Load 40	18.9V	18V	Aux at 1KHZ Flat Rated <u>90W</u>
		Load 80	26.8V	25.9V	
		Load 160	37.9V	36.9V	
		Load___O (25V)	___V	___V	
		Load___O (50V)	___V	___V	
		Load___O (70V)	70V	73V	
		Load___O (100V)	100V	106V	
5	Maximum at output	Aux 1KHz –15dB Load 40	305/1.56a W	280/1.50a W	Flat
6	Hum or Noise	VR Max (Tape On) VR Max (Tape Off)	___mV 100		