


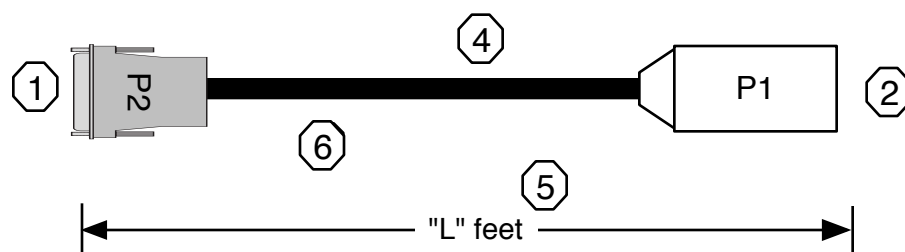
Rev	Date	Originator	Description
Orig	04.04.00	CEM	Original Release
01	08.11.00	CEM	Changed P2, DB-9 screwlock gender from F to M
02	08.01.01	CEM	Added mechanical assembly page
03	02.11.03	CEM	(1) Changed cable schematic to fix audio problem when multiple radios share a common ground (2) Added assembly note 7: "braid / foil / drain wire material wire may NOT contact P2 shell."
04	04.01.09	CJA	Added Information Table

ASTi Internal Application Notes:

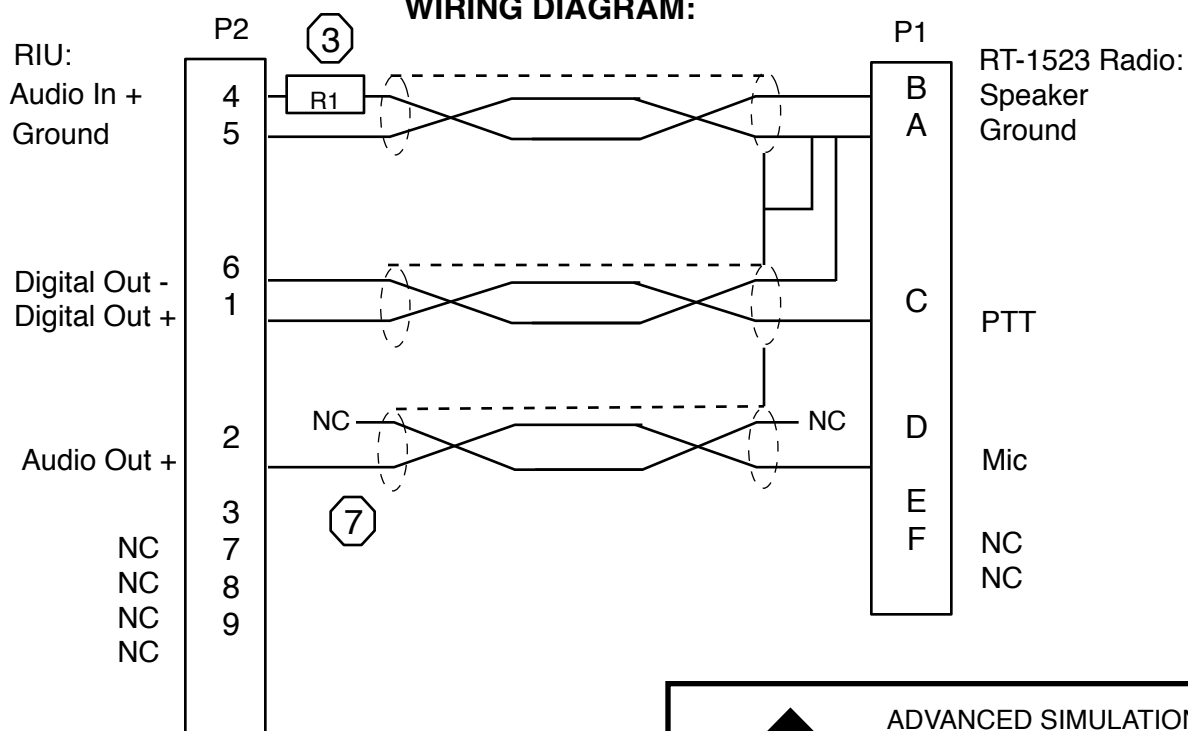
- A. Cable for use with RIU V41 and Army radio models: RT-1523/D and RT-1523/E
- B. Part of ASTi Synapse system configuration.
- C. RIU must be configured for single-ended operation - see Synapse RT manual.


 ADVANCED SIMULATION TECHNOLOGY inc. 500A Huntmar Park Drive, Herndon, VA 20170 www.asti-usa.com	
Cage Code	OVPW3
Title	Audio /PTT Cable RIU to Army SINCGARS RT
Dwg #	CA-D9M-NC6M-L-C_04
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CABLE LAYOUT:



WIRING DIAGRAM:




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PARTS LIST:

Item	Qty	Reference	P/N	Mfg	Description	Notes
1	1	P2	Vendor spec'd	Vendor spec'd	DB-9 / Male Plug, Shell, Screwlocks	①
2	1	P1	M55116/4-4	Nexus	Circular MIL, Male, 6 Pin	②
3	1	R1	Vendor spec'd	Vendor spec'd	Resistor, axial lead, 15K, 10%, 1/8W	③
4	L (length)	Cable	MR202-4AT	Canare	Shielded, Twisted Pair Audio Cable	④ ⑤
-	-	-	-	-	-	-

NOTES:

- ① Manf. and PN specified by Whirlwind. Use only industrial quality components. Required features: metal EMI backshell, finger-tightening male #4-40 screwlocks, cable clamp and flex relief.
- ② No substitutions.
- ③ Manf. and PN specified by Whirlwind. Assembly Note: shrink tube insulation covers R1.
- ④ May substitute with equivalent part. Required features: low capacitance, individually shielded twisted pairs, drain wires, high flex cable.
- ⑤ Overall length defined by length field "L" of part number. "L" field must be specified in ordered part number.
- ⑥ Special label: affix label at mid-point of cable, label reads: "CAUTION: set RIU for single ended use. See RIU manual."
- ⑦ Assembly note: braid / foil / drain wire material wire may NOT contact P2 shell. Dress back or insulate to eliminate contact.

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Industry connector Sub Group	ASTi Part Number Sub Group	Source Device	ASTi Part Number	Current Revision Number	Description & Case Use	Special Notes
DB9	D9*	RIU, ACE-RIU	CA-D9M-NC6M-L-C	04		