Application Note

AN #: 300A
DATE: 09-Oct-20

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Hytera DM-782G
ENGINEER: C. Carbajal

APPROVAL INITIALS
ENGINEER
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Connections:	***SVR***	***Function***	***Radio***	**DB26 Connector**
	Black/Shield	Ground	Pin 2	Ground
	White	Tx Audio Out	Pin 7	Tx Audio Input
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	Pin 16	PRGM_IN_PTT
	Red	Switched B+	Pin 4	SW B+
	Yellow	Rx Audio In	Pin 8	RX Audio Out
	Violet	COR	Pin 3	GP5_3 GPIO
	Brown	Local Mic In	N/C	
	Grey	On Air Detect	N/C	

SVR Jumpers:				**SVR Program:**		
	JP1	[-]	Remote Enable		Mobile COR Polarity:	High
	J1	[Out]	Tx audio level		Mobile Type:	Conv.
	J2	[Out]	Tx audio impedance		On-Air Polarity:	--
	J4	[Out]	Local mic audio loop		Tx Audio Response:	Flat
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Flat
	J6	[Out]	Local Mic Sensitivity		Local Mic Repeat	No
	J7	[Out]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR Pull up resistor			

Additional Modifications (SVR-200): Adjust RV1 for 2.5VDC.

Additional Modifications (SVR-250 / SVR-300):

Additional Modifications (Radio):

1. Replace F1 with a 3A Fuse.

2. In the ***Radio CPS - Conventional / Accessoreis Menu*** set the following:
   a. Pin 3 = Speaker Open Detect (Carrier Detect), Active High
   b. Pin 16 = External Mic PTT, Active Low