Application Note

AN #: 312
DATE: 28-Apr-17

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Simoco SDM730
ENGINEER: C. Carbajal

APPROVAL INITIALS
ENGINEER
DEPT. HEAD

Connections:	***SVR***	***Function***	***Radio***	***DB-26HD Connector***
	Black/Shield	Ground	Pin 5	GND
	White	Tx Audio Out	Pin 8	EXT_MIC
	Blue	Remote enable/disable	External Switch to Ground	
	Green	PTT Out	Pin 16	ACC_PTT *see note 1
	Red	Switched B+	Pin 4	EXT_PWR
	Yellow	Rx Audio In	Pin 8	RX_AUDIO
	Violet	COR	Pin 14	PRGM_I01
	Brown	Local Mic Audio	N/C	
	Grey	On Air Detect	Pin 15	PRGM_I02

SVR Jumpers:	JP1	[-]	Remote Enable	**SVR Program:**	Mobile COR Polarity:	Low
	J1	[Out]	Tx audio level		Mobile Type:	Conv
	J2	[Out]	Tx audio impedance		On-Air Polarity:	Low
	J4	[Out]	Local mic audio loop		Tx Audio Response:	De-emp
	J5	[Out]	Local mic PTT loop		Rx Audio Response:	Pre-Emp
	J6	[Out]	Local mic Sensitivity		Local Mic Repeat	No
	J7	[In]	Rx Sensitivity			
	J8	[+]	Pull up resistor			
	J9	[Out]	MCOR pull up resistor			
	J11	[Out]	TX audio level			

Additional Modifications (SVR-200 / SVR-250 / SVR-300): None

Additional Modifications (Radio):

Ensure radio has firmware R1.2 or greater.

1. In the wiring harness DB-26, jumper Pin 16 (ACC_PTT) and Pin 20 (ACC_DET4). This grounds Pin 20 during
   portable-to-base calls and thus enables EXT_MIC on Pin 8.
2. In the ***FPP Software, Common/Accessories*** menu, set the **Steering Volume = 10.**
3. In the ***FPP Software, Conventional/Accessories*** menu, set **Pin #14 = High, Speaker On Detect.**