Application Note

AN #: 280A
DATE: 5-May-10

PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350
RADIO MODEL: Johnson 5300 ES Series Mobile
ENGINEER: C. Carbajal

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Connections:

SVR	*Function*	*Radio DB25 {UDDI-PVP Port}* {EFJ PN 597-5357-736-01}
Black/Shield	Ground	DB25 Pin 24
White	Tx Audio Out	DB25 Pin 12
Blue	Remote enable/disable	DB25 Pin 14
Green	PTT Out	DB25 Pin 1
Red	Switched B+	DB25 Pin 22
Yellow	Rx Audio In	DB25 Pin 10
Violet	COR	DB25 Pin 6
Brown	Local Mic Audio	DB25 Pin 11
Grey	On Air Detect	DB25 Pin 5

SVR Jumpers:

JP1	[+]	Remote Enable
J1	[Out]	Tx audio level
J2	[Out]	Tx audio impedance
J4	[Out]	Local mic audio loop
J5	[Out]	Local mic PTT loop
J6	[Out]	Local mic Sensitivity
J7	[Out]	Rx Sensitivity
J8	[-]	Pull up resistor
J9	[Out]	MCOR pull up resistor

SVR Program:

Mobile COR Polarity:	Low
Mobile Type:	Conv/Trunk
On-Air Polarity:	High
Tx Audio Response:	De-emp
Rx Audio Response:	Pre-Emp
Local Mic Repeat	Yes

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

Additional Modifications (Radio):

1. Add a jumper from pin 24 (ground) to pin 21 of the DB-25. This enables the external microphone input on pin 12.

2. Program one of the soft keys to enable/disable the SVR by selecting "Radio Wide Options", "Assign Buttons", click on the desired key and select "Remote Access".

Note: If you are trying to use our older 7553-10-1045 cable designed for an SVR-200 to the Johnson 5300 SL (NON ES) radio, you will have to run a jumper from pin 24 to pin 21 of the DB-25 accy connector to enable the external microphone input (TX_MIC_IN) located at pin 12 of the 5300 ES DB-25.