

INSTALLATION MANUAL

Z3-SWIF

STEERING WHEEL INTERFACE - FORD PI UTILITY & SEDAN



Mount the Z3 Steering Wheel Interface Box in the desired location using (2) user supplied screws. **Note: This box should not be mounted on the exterior of the vehicle!**

Connect the Z3-SWIF Input Control wires according to the chart below.

Z3-SWIF INPUT CONTROL WIRING CHART	
Z3-SWIF INPUT WIRE	14 WAY POLICE BASE SIGNAL POWER CONNECTOR
ORANGE/BLACK STRIPE	POLICE 4 BUTTON CONTROLLER---BUTTON 1 OUTPUT
ORANGE	POLICE 4 BUTTON CONTROLLER---BUTTON 2 OUTPUT
BLUE/BLACK STRIPE	POLICE 4 BUTTON CONTROLLER---BUTTON 3 OUTPUT
BLUE	POLICE 4 BUTTON CONTROLLER---BUTTON 4 OUTPUT
ADDITIONAL Z3-SWIF CONTROL INPUT WIRING	
Z3-SWIF INPUT WIRE	OPTIONAL CONNECTIONS
GRAY/BLACK STRIPE	OPTIONAL GROUNDED SWITCH (E.G. HIDDEN GUN LOCK)
GRAY	OPTIONAL GROUNDED SWITCH (E.G. REMOTE ACTIVATION SWITCH)
BLACK/RED STRIPE	NOT USED (NO CONNECTION)
BLACK	NOT USED (NO CONNECTION)

For future reference record your product's serial no. here _____

IMPORTANT: Read all instructions and warnings before installing and using.
INSTALLER: This manual must be delivered to the end user of this equipment.

CONFIGURING Z3-SWIF - ON BENCH:

NOTE: A Z3 Amplifier with the Z3 Control Head is required in order to configure the Z3-SWIF. The Z3 Amplifier will not activate any outputs or siren tones during configuration. Only the Z3 Control Head indicators will be lit to indicate which function is configured.

- 1) Connect the Z3 Control Head to the CONT HEAD port of the Z3 Amplifier using a CAT-5 cable.
- 2) Connect the Z3-SWIF to the AMP-2 port of the Z3 Amplifier using a CAT-5 cable.
- 3) Connect the Z3-SWIF INPUT HARNESS to the CONTROL INPUT port of the Z3-SWIF.
- 4) Connect the Z3 INPUT/OUTPUT HARNESS to the CONTROL INPUT/OUTPUT port of the Z3 Amplifier.
- 5) Connect the Z3 AMPLIFIER POWER HARNESS to the Z3 Amplifier (lower right power port).
- 6) Ground the BLACK wire of the Z3 AMPLIFIER POWER HARNESS.
- 7) Connect the RED wire of the Z3 AMPLIFIER POWER HARNESS to +12VDC.
- 8) Connect the IGN wire of the Z3 INPUT/OUTPUT HARNESS to +12VDC.
 - a. **NOTE: The Z3 Control Head will power up and beep to indicate that the system is operating.**
- 9) Verify that all functions on the Z3 Control Head are off.
- 10) Connect the PGRM+ wire to the PGRM- wire on the Z3-SWIF INPUT HARNESS.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been started.**
- 11) Activate the input to be configured by connecting it to the PGRM- wire (see Table 1).
 - a. **NOTE: The existing configured functions will be displayed on the Z3 Control Head.**
- 12) Activate any functions on the Z3 Control Head that are to be configured to the selected input.
 - a. **NOTE: DIM cannot be activated at the same time as any 3-Level switch. Only one ArrowStik mode can be activated at a time. Only one Tone can be activated at a time (see Table 2).**
- 13) Disconnect the input being configured from PGRM- wire.
- 14) Verify that all functions on the Z3 Control Head are off.
- 15) Repeat steps 11 through 14 for each Z3-SWIF input as desired.
- 16) To end configuration disconnect the PGRM+ wire from the PGRM- wire.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been ended and the configuration has been saved.**
 - b. **If additional Z3-SWIF units require configuring, go to step 6 of 'CLONING Z3-SWIF' to download this configuration.**
- 17) The system is now in normal mode of operation.

Table 1: Z3-SWIF Factory Settings

INPUT	FUNCTION ACTIVATED
SWITCH - 1 (ORANGE/BLACK)	Level 1
SWITCH - 2 (ORANGE)	Level 2
SWITCH - 3 (BLUE/BLACK)	Level 3
SWITCH - 4 (BLUE)	Auxiliary Button 'A'
AUX IN – 1 (GRAY/BLACK)	Auxiliary Button 'B'
AUX IN – 2 (GRAY)	Auxiliary Button 'C'
PGRM +	Configuration Wire 1
PGRM -	Configuration Wire 2

NOTE: Do not connect PGRM + and PGRM – to anything when Z3-SWIF is in normal operating mode.

Table 2: Z3-SWIF Tone Indicators

TONE BUTTONS LIT	TONE FUNCTION ACTIVATED
WAIL	WAIL
YELP	YELP
ALT TONE	ALT TONE
WAIL and ALT TONE	MANUAL
YELP and ALT TONE	AIR HORN

CLONING Z3-SWIF:

NOTE: A Z3 Amplifier with the Z3 Control Head is required in order to clone the Z3-SWIF. The Z3 Amplifier will not activate any outputs or siren tones during configuration. Only the Z3 Control Head indicators will be lit to indicate which function is configured.

- 1) Set up the Z3 system as detailed in 'CONFIGURING Z3-SWIF - ON BENCH' steps 1 through 9.
 - a. **NOTE: Make sure to start with a preconfigured Z3-SWIF in step 2.**
- 2) Connect the PGRM+ wire to the PGRM- wire on the Z3-SWIF INPUT HARNESS.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been started.**
- 3) Verify that no Z3-SWIF switch inputs are activated.
- 4) Press and hold (approximately 1 second) the DIM button on the Z3 Control Head to upload (extract) the configuration from the preconfigured Z3-SWIF.
 - a. **NOTE: The ArrowStik indicators work as a progress bar to indicate that the configuration is being uploaded. The upload is complete when all ArrowStik indicators turn off.**
- 5) On the Z3-SWIF INPUT HARNESS, disconnect the PGRM+ wire from the PGRM- wire.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been ended and the configuration has been saved.**
- 6) Disconnect the preconfigured Z3-SWIF from the Z3 system.
- 7) Connect a non-configured Z3-SWIF to the Z3 system.
- 8) Connect the PGRM+ wire to the PGRM- wire on the Z3-SWIF INPUT HARNESS.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been started.**
- 9) Press and hold (approximately 1 second) the FLASH button on the Z3 Control Head to download (transfer) the configuration to the non-configured Z3-SWIF.
 - a. **NOTE: The ArrowStik indicators work as a progress bar to indicate that the configuration is being downloaded. The download is complete when all ArrowStik indicators turn off.**
- 10) On the Z3-SWIF INPUT HARNESS, disconnect the PGRM+ wire from the PGRM- wire.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been ended and the configuration has been saved.**
- 11) Disconnect the newly configured Z3-SWIF from the Z3 system.
- 12) Repeat steps 7 through 11 for additional Z3-SWIF units.

CONFIGURING Z3-SWIF - FULLY INSTALLED:

NOTE: The Z3 Amplifier will not activate any outputs or siren tones during configuration. Only the Z3 Control Head LEDs will be lit to indicate which function(s) are configured.

- 1) Verify that the Z3 system and the Z3-SWIF have been properly installed per the product installation instructions.
- 2) Turn on the vehicle ignition to activate the Z3 system.
 - a. **NOTE: The Z3 Control Head will power up and beep to indicate that the system is operating.**
- 3) Verify that all functions on the Z3 Control Head are off.
- 4) Connect the PGRM+ wire to the PGRM- wire on the Z3-SWIF INPUT HARNESS.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been started.**
- 5) Activate the steering wheel switch to be configured.
 - a. **NOTE: The existing configured functions will be displayed on the Z3 Control Head.**
- 6) Activate any functions on the Z3 Control Head that are to be configured to the selected steering wheel switch.
 - a. **NOTE: DIM cannot be activated at the same time as any 3-Level switch. Only one ArrowStik mode can be activated at a time. Only one Tone can be activated at a time (see Table 2).**
- 7) Turn off the steering wheel switch.
- 8) Verify that all functions on the Z3 Control Head are off.
- 9) Repeat steps 5 through 8 for each steering wheel switch as desired.
- 10) To end configuration disconnect the PGRM+ wire from the PGRM- wire.
 - a. **NOTE: The Z3 Control Head will flash all 8 ArrowStik indicators and beep three (3) times to indicate that configuration mode has been ended and the configuration has been saved.**
- 11) The system is now in normal mode of operation.
 - a. **NOTE: Make sure that the PGRM+ and PGRM- wires are not connected to any signal.**



Plug one end of the CAT5 Cable into the Z3 AMP Box, route the cable as desired, then Plug the other end of the CAT5 Cable into the Z3 Steering Wheel Interface Box as shown in the pictures above.

WARRANTY

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PRODUCT RETURNS

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

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