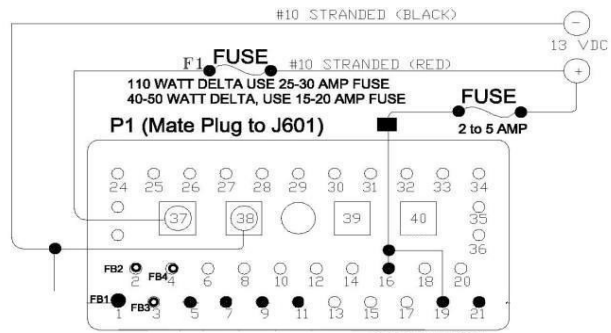


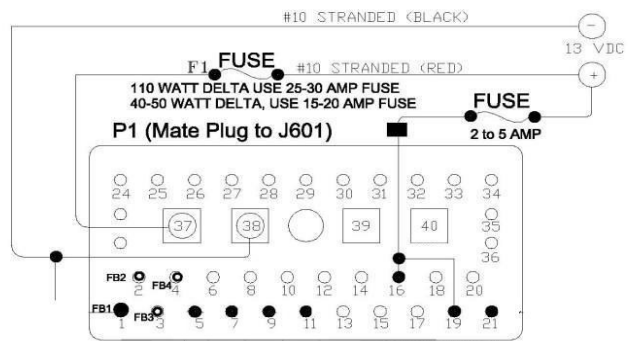
Delta Radio Pinout	Function	cable1	usually connected to
1	F1/FB1		
2	F2/FB2		
3	F3/FB3		
4	F4/FB4		
5	Mic low		
6	Vol/Sq Low Common		
7	Vol/Sq High Common		
8	Volume Arm		
9	Mic High		
10	CG Disable		
11	PTT		
12	CAS		
13	(spare)		
14	control A -		
15	Squelch Arm		
16	IGN A +		
17	Alert Tone / RX PA		
18	Spkr 1		
19	A +		
20	Spkr 2		
21	A -		
22	(spare)		
23	(spare)		
24	(spare)		
25	(spare)		
26	CG Hi		
27	Squelch Disable		
28	CG Low		
29	Store		
30	FB5 / REP / DIR		
31	Ext Alarm		
32	Advance Change		
33	PA Key		
34	RX Mute		
35	(spare)		
36	RESET		
37	TX A +		
38	TX A -		
39			
40			
41			



Receiver

Delta Radio Pinout

Pin	Function	usually connected to
1	F1/FB1	
2	F2/FB2	
3	F3/FB3	
4	F4/FB4	
5	Mic low	
6	Vol/Sq Low Common	
7	Vol/Sq High Common	
8	Volume Arm	
9	Mic High	
10	CG Disable	
11	PTT	Blue 11
12	CAS	green 7
13	(spare)	
14	control A -	
15	Squelch Arm	
16	IGN A +	red 1
17	Alert Tone / RX PA	
18	Spkr 1	
19	A +	yellow
20	Spkr 2	
21	A -	Black
22	(spare)	
23	(spare)	
24	(spare)	
25	(spare)	
26	CG Hi	Grey
27	Squelch Disable	
28	CG Low	
29	Store	
30	FB5 / REP / DIR	
31	Ext Alarm	
32	Advance Change	
33	PA Key	
34	RX Mute	
35	(spare)	
36	RESET	
37	TX A +	
38	TX A -	
39		
40		
41		



13 Must add jumper wire from header behind 26 to pin 15 of J603

Transmitter

Password: 12123 (over the air 12123#)
293# exit programming mode

680# CRT Mode of serial port

2283# n# Serial port speed
1=150, 2=300, 3=600, 4=1200, 5=2400, 6=4800

3863# n# encode dtmf tone
n=0-15 99 for dtmf off

SET AUDIO TX POT WITH A TONE OF "5" TO 3khz DEVIATION

28277# n# encode PL
n=18 for 123.0

SET PL DEVIATION FOR .75khz

8378# will cycle between 67>123>250 to check that pl output
is linear.

KC5EVE REPEATER DURANGO CO 448.625

Zetron Model 38 Tone/Digital Panel
Copyright 1986, Version 4.2

1 System Programming	4 Disable panel
2 User Programming	5 Enable panel
3 Test Menu	6 Exit

Enter a Number: 1

System Programming:

1 Display System	5 Set Baud Rate
2 Program System	6 Model 8 mode
3 Set Site Alarm	7 Sign on message
4 Clear Memory	

Enter a Number: 1

System Settings:

Tx hold	= 20
Tail bips	= Off
CTCSS hold	= 0
Kerchunk	= Off

Timeout = 3
Timeout ID = Off
Interdigit = 4
ID timer = 10
ID freq = 1200
ID speed = 10
ID sys user = 0
Beep freq = 1000
Transpond = 0
Access Code = 123
Hog Limit = 5
Hog Idle = 5
Hog Penalty = 30
Serial tone = Off
COR User # = 0
Invert Tx = Off
Invert Rx = Off

System Programming:

1 Display System 5 Set Baud Rate
2 Program System 6 Model 8 mode
3 Set Site Alarm 7 Sign on message
4 Clear Memory

Enter a Number:

KC5EVE REPEATER DURANGO CO 448.625

Zetron Model 38 Tone/Digital Panel
Copyright 1986, Version 4.2

1 System Programming 4 Disable panel
2 User Programming 5 Enable panel
3 Test Menu 6 Exit

Enter a Number: 2

User Programming:

1 Show a user 5 Show enabled users
2 Program a user 6 Clear all airtime
3 Show airtime 7 Display decode
4 Show all users

Enter a Number: 5

Enabled users:

13, 103.5 Hz 14, 107.2 Hz
15, 110.9 Hz 16, 114.8 Hz
20, 131.8 Hz 24, 151.4 Hz
25, 156.7 Hz

User Programming:

- 1 Show a user 5 Show enabled users
- 2 Program a user 6 Clear all airtime
- 3 Show airtime 7 Display decode
- 4 Show all users

Enter a Number: 4

User Rx	Tx	OSPRLQDHA	Id
1 67.0	1	-----X---	KC5EVE
2 71.9	2	-----X---	KC5EVE
3 74.4	3	-----X---	KC5EVE
4 77.0	4	-----X---	KC5EVE
5 79.7	5	-----X---	KC5EVE
6 82.5	6	-----X---	KC5EVE
7 85.4	7	-----X---	KC5EVE
8 88.5	8	-----X---	KC5EVE
9 91.5	9	-----X---	KC5EVE
10 94.8	10	-----X---	KC5EVE
11 97.4	11	-----X---	KC5EVE
12 100.0	12	-----X---	KC5EVE
13 103.5	13	X-----X---	N0GIO
14 107.2	14	X-----X---	N0GIO
15 110.9	15	X-----X---	N0GIO
16 114.8	16	X-----X---	KC5EVE
17 118.8	17	-----X---	KC5EVE
18 123.0	18	-----X---	KC5EVE
19 127.3	19	-----X---	KC5EVE
20 131.8	20	X-----X---	KC5EVE
21 136.5	21	-----X---	KC5EVE
22 141.3	22	-----X---	KC5EVE
23 146.2	23	-----X---	KC5EVE
24 151.4	24	X-----	KC5EVE
25 156.7	25	X-----	KC5EVE
26 162.2	26	-----X---	KC5EVE
27 167.9	27	-----X---	KC5EVE
28 173.8	28	-----X---	KC5EVE
29 179.9	29	-----X---	KC5EVE

User	Rx	Tx	OSPRLQDHA	Id
30	186.2	30	-----X---	KC5EVE
31	192.8	31	-----X---	KC5EVE
32	203.5	32	-----X---	KC5EVE
33	210.7	33	-----X---	KC5EVE
34	218.1	34	-----X---	KC5EVE
35	225.7	35	-----X---	KC5EVE
36	233.6	36	-----X---	KC5EVE
37	241.8	37	-----X---	KC5EVE
38	250.3	38	-----X---	KC5EVE
39	000	0	-----X---	KC5EVE
40	000	0	-----X---	KC5EVE
41	000	0	-----X---	KC5EVE
42	000	0	-----X---	KC5EVE
43	000	0	-----X---	KC5EVE
44	000	0	-----X---	KC5EVE
45	000	0	-----X---	KC5EVE
46	000	0	-----X---	KC5EVE
47	000	0	-----X---	KC5EVE
48	000	0	-----X---	KC5EVE
49	000	0	-----X---	KC5EVE
50	000	0	-----X---	KC5EVE
51	000	0	-----X---	KC5EVE
52	000	0	-----X---	KC5EVE
53	000	0	-----X---	KC5EVE
54	000	0	-----X---	KC5EVE
55	000	0	-----X---	KC5EVE
56	000	0	-----X---	KC5EVE
57	000	0	-----X---	KC5EVE
58	000	0	-----X---	KC5EVE
59	000	0	-----X---	KC5EVE
60	000	0	-----X---	KC5EVE

User Programming:

- 1 Show a user
- 2 Program a user
- 3 Show airtime
- 4 Show all users
- 5 Show enabled users
- 6 Clear all airtime
- 7 Display decode

Enter a Number: 2

User Programming

Enter first user: 1
Enter last user (return if same):

Select an item to program, or
enter 0 for the selection list.

Select an item: 0

Items to program (user 1 shown) are:

1 User enable = Off
2 Encode = 1
3 CTCSS Tail = Off
4 Privacy Mode = Off
5 Reserve Mode = Off
6 Courtesy Tone = On
7 Last User Id = Off
8 DTMF function = Off
9 Hog mode = Off
10 Prepay mode = Off
11 Morse Id = KC5EVE
12 Airtime = 000:00:00
13 Decode = 67.0 Hz

Select an item:

Enter first user:

User Programming:

1 Show a user 5 Show enabled users
2 Program a user 6 Clear all airtime
3 Show airtime 7 Display decode
4 Show all users

Enter a Number: _