


REV	APPLICATION			REVISIONS					
	SH	1	B	PRODUCT LINE	REV	DESCRIPTION	DATE	APPROVED	APPROVED
DWG. NO.	150-049982		RT-5000D	A	Initial Release per DCA W7045	04/23/08	D.A./SMW	L. Evans	
				B	Revised per DCA W7115	05/05/08	D.A./S.W./R.C.	L. Evans	

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APPROVALS	DATE			TITLE: SERVICE NOTIFICATION, WSN RT-5000-4, CREATE SINGLE ZONE CODEPLUG		
DRAWN S. Allbritton	04/23/08					
CHECKED Jay Jensen	04/23/08					
PRODUCT MANAGER Dave Auer	04/23/08					
ENGINEER Stan Wild	04/23/08	SIZE A	CAGE CODE 1B7G3		DWG NO. 150-049982	REV B
ISSUED Leslie Evans	04/23/08	SCALE: NONE			DO NOT SCALE DRAWING	
Typed signatures indicate approval. Handwritten signature approval of this document is on file at Wulfsberg Electronics, Prescott, Arizona.						

SERVICE NOTIFICATION

EQUIPMENT: RT-5000D

DATE: May 5, 2008

NOTIFICATION NUMBER: WSN RT-5000-4 Revision B

EFFECTIVITY

This service notification applies to RT-5000, PN 400-015525-5011 or higher containing Motorola XTS-5000 embedded module/s intending to be used in an ASTRO25 Trunking environment.

REASON

To provide a procedure to use Motorola CPS software to create a single Zone codeplug as an exception to replace the standard multi-zone, multi-channel codeplug per the standard Flexcomm II system programming requirements.

REFERENCES

- 150-015525-28 SERVICE INSTRUCTION, WSI RT-5000-28
- 150-041374 MANUAL, USERS, REMOTE PROGRAMMER, RPWIN, C-5000
- 150-041102 MANUAL, OPERATORS, C-5000 (P25 CAPABLE)

3rd PARTY SOFTWARE REQUIRED

- 320-441508-110000 Motorola Astro 25 Portable CPS Software, Version R11.00.00 for XTS-5000
- 320-641355-02 SOFTWARE DATA, XTS-5000, RT5KTEST.RP2, REMOTE PROGRAMMER, C-5000

MODIFICATION PROCEDURE

1. Convert an RpWin cloning file and CPS codeplug file in accordance with Tables 1 and 2.
2. Connect PC loaded with the CPS file to the RT-5000 P1 KVL/data port and download the codeplug in accordance with the instructions in the Flexcomm II (P25) Programming Manual (PN 150-041102).
3. Connect PC loaded with RpWin cloning files to the mating C-5000 and download in accordance with the instructions in the MANUAL, USERS, REMOTE PROGRAMMER, RPWIN, C-5000 (PN 150-041374).

NOTE: Reversing steps 1 and 2 may result in having to reboot the PC between steps to allow successful CPS download and avoid com port conflicts.

4. Disconnect all remaining cloning cables.

NOTE:

- All CPS channels must be defined up to the last available channel.
- The remainder of the table can be empty.
- Unused channel gaps within the 1 zone 255 channel codeplug MUST be defined with a dummy placeholder (for example: unused zone 1 channel 1) since you cannot skip channels within CPS.

5. Perform a functional test of the unit.

Table 1: Single Zone Sequential Channeling Method

* Index by 16 channels / 16 zones				Index by up to 255 channels in 1 zone		
RpWin file				CPS file		
Channel	Zone	Name		Name	Zone	Channel
1	1	Alpha 1		Alpha 1	1	1
2	1	Alpha 2		Alpha 2	1	2
3	1	Alpha 3		Alpha 3	1	3
4	1	Etc.		Etc.	1	4
5	1	Etc.		Etc.	1	5
6	1	Etc.		Etc.	1	6
7	1	Etc.		Etc.	1	7
8	1	Etc.		Etc.	1	8
9	1	Etc.		Etc.	1	9
10	1	Etc.		Etc.	1	10
11	1	Etc.		Etc.	1	11
12	1	Etc.		Etc.	1	12
13	1	Etc.		Etc.	1	13
14	1	Etc.		Etc.	1	14
15	1	Etc.		Etc.	1	15
16	1	Etc.		Etc.	1	16
1	2	Etc.		Etc.	1	17
2	2	Etc.		Etc.	1	18
3	2	Etc.		Etc.	1	19
4	2	Etc.		Etc.	1	20
5	2	Etc.		Etc.	1	21
6	2	Etc.		Etc.	1	22
7	2	Etc.		Etc.	1	23
8	2	Etc.		Etc.	1	24
9	2	Etc.		Etc.	1	25
10	2	Etc.		Etc.	1	26
11	2	Etc.		Etc.	1	27
12	2	Etc.		Etc.	1	28
13	2	Etc.		Etc.	1	29
14	2	Etc.		Etc.	1	30
15	2	Etc.		Etc.	1	31
16	2	Etc.		Etc.	1	32
1	3	Etc.		Etc.	1	33
2	3	Etc.		Etc.	1	34
3	3	Etc.		Etc.	1	35
Etc.	Etc.	Etc.		Etc.	Etc.	Etc.
16	16				1	255

Table 2: Single Zone Non-Sequential Channeling Method

* Index by 16 channels / 16 zones			Index by up to 255 channels in 1 zone			
RpWin file			CPS file			
Channel	Zone	Name		Name	Zone	Channel
1	1	Alpha 1		Alpha 1	1	1
2	1	Alpha 2		Alpha 2	1	2
3	1	Alpha 3		Alpha 3	1	3
4	1	Alpha 4		Alpha 4	1	4
				Unused	1	5
				Unused	1	6
7	1	Alpha 5		Alpha 5	1	7
8	1	Alpha 6		Alpha 6	1	8
				Unused	1	9
				Unused	1	10
				Unused	1	11
12	1	Alpha 7		Alpha 7	1	12
13	1	Alpha 8		Alpha 8	1	13
14	1	Alpha 9		Alpha 9	1	14
				Unused	1	15
16	1	Alpha10		Alpha10	1	16
1	2	Alpha11		Alpha11	1	17
2	2	Etc.		Etc.	1	18
3	2	Etc.		Etc.	1	19
Etc.	Etc.	Etc.		Etc.	Etc.	Etc.
16	16				1	255