MDC1200 ARTS PROGRAMMING AND OPERATION

1. CE115 PROGRAMMING

1-1. User registration

□ Select "Signaling" \rightarrow "MDC-1200" \rightarrow "MDC-1200 Call".

C:¥	Progr	am Files¥Ver	tex St	an dar d¥C E1	15¥default46	i00ud.C11	5 - CE11	5 for	VX-4	500	/4600)/450
<u>F</u> ile <u>E</u>	Edit <u>V</u>	iew <u>C</u> ommon	Signali	ng <u>R</u> adio Cl	h <u>a</u> nnel <u>H</u> elp							
	i 🖬	ð Þ 🛍	<u>D</u> TM 2-To									
	ial No q. Ban		5-To <u>M</u> DC (450-3	1200 ► MD 520) MD	C1200 <u>C</u> ommon C1200 <u>S</u> ystem C1200 Ca <u>l</u> l		(Mobile) .00		Radi	.o Ch	annel	51:
List .			CH	Freq	lency	Sub A	ludio	Save	ТX	PWR	SC	Auto
No.	W/N	TAG	Info	RX	TX	Dec	Enc	TX	н	L	Grp	Scan
1	N	CH-001		483.50000	483.50000			-	н	L2	CG	-
1	N N	CH-001 CH-002		483.50000 483.50000	483.50000 483.50000			-	H H	L2 L2	CG	-
1												

- Program the all User ID in the "CALL ID" area.
- **D** Name in the **"TAG**" that the each user can distinguish.
- D Put the check mark, for the ID that are used, in the "**ID Status**" area.

IDC12	00 Call																			
<u>E</u> dit																				
Call	Call	Call	ID	TAG	ACK	Ring							5	Syste	m No					
No.	Type	ID	Status	IAG	Exp	Tone	1	2	з	4	5	6	7	8	9	10	11	12	13	14
1	Individual	0001	4	USER01	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Individual	0002	4	USER02	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Individual	0003	1	USEROS	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Individual	0004	1	USER04	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Individual	0005	1	USER05	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Individual	0001	-	MDCID006	-	A	1	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Individual	0001	-	MDCID007	-	A	1	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Individual	0001	-	MDCID008	-	A	1	-	-	-	-	-	-	-	-	-	-	-	-	-

1-2. Set the MDC-1200 for using ARTS function

D Program from Channel setting to ARTS Type.

Cancel

Note: The MDC 1200 Signaling and MDC1200 ARTS can not be used on the same channels.

Fa	req. B	and UHF D	(450-	520) F	W Version	1.00.0	D.00																		
List	U/N	TAG	CH		uency		Audio	Save		PWR		Auto	тот	SQL		ck Sł		ANI	vox	Encr	Lock	ARTS	COMP	Sign	
No. 1	N	CH-001	Info	RX 483.50000	TX 483.50000	Dec	Enc	TX	H	L L2	CG	Scan		4	RX -	TX V	010	~	÷ _	-	Out	·		Type	2
2	N	CH-001		483.50000	483.50000				н	L2	CG			4		4		i	-			~	-		
3	N	CH-003		483.50000	483.50000			-	н	L2	CG	-		4	-	1	-		-	-	1		-	-	
4	N	CH-004		483.50000	483.50000				H	L2	CG			4		4				-	/-				
5	Н	CH-005		483.50000	483.50000			-	Н	L2	CG	-		4	-	1	-		-	1	-		-	-	
6	Ы	CH-006		483.50000	483.50000			-	H	L2	CG	-		4		4			-	1-				-	
7	N	CH-007		483.50000	483.50000			-	Η	L2	CG	-		4	-	1	-		-/	-	-		-	-	
8	Н	CH-008		483.50000	483.50000			-	Η	L2	CG	-		4		4	-		1	-	-			-	
9	N	CH-009		483.50000	483.50000			-	Η	L2	CG	-		4	-	4	-			-	-		-	-	
10	Ы	CH-010		483.50000	483.50000				H	L2	CG	-		4		1		A							
11	N	CH-011 CH-012		483.50000	483.50000			-	H	L2	CG	-		4	-	4	-/		-	-	-		-	-	
13	N	CH-012		483.50000	483.50000			-	Н	L2 L2	CG	-		4	-	4	1						-	-	
14	n	CH-013		483.50000	483.50000				H	L2	CG	-		4											
e	lect	t "ART	S" 1	ype a	s " MD	C ".			_	_	_	_	_	_	-										

□ Select Channel to "ANI".

<u>F</u> ile	<u>E</u> dit	, 	Signali	ing <u>R</u> adio Cl ? Pr	1 5¥default46 hannel <u>H</u> elp oduct Type f Version		(Mobile)			1500/				ies											
List			CH	Freq	lency	Sub	Audio	Save	TX	PWR	SC	Auto			Clo	ck Sh	ift			-	Lock			Signa	aling
No.	U/N	TAG	Info	RX	TX	Dec	Enc	TΧ	н	L	Grp	Scan	TOT	SQL	RX	TX	0P	ANI	VOX	Encr	Out	ARTS	COMP	Type	No.
1	N	CH-001		483.50000	483.50000			-	н	L2	CG	-		4	-	4	-	1	-	-	-		-	-	-
2	п	CH-002		483.50000	483.50000			-	н	L2	CG	-		4	-	4	-	Y	-	-	-		-	-	-
З	Н	CH-003		483.50000	483.50000			-	H	L2	CG	-		4	-	1	-		-	-	-		-	-	-
4	п	CH-004		483.50000	483.50000			-	н	L2	CG	-		4	-	4			-	-	-		-	-	-
5	N	CH-005		483.50000	483.50000			-	Н	L2	CG	-		4	-	1	-		-	-	-		-	-	-
6	ы	CH-006		483.50000	483.50000			-	н	L2	CG	-		4	-	4			-	-	-		-	-	-
7	N	CH-007		483.50000	483.50000			-	H	L2	CG	-		4	-	1	-		-	-	-		-	-	-
8	ы	CH-008		483.50000	483.50000			-	H	L2	CG	-		4	-	1			-	-				-	-
9	п	CH-009		483.50000	483.50000			-	H	L2	CG	-		4	-	1	-		-	-	-		-	-	-
10	И	CH-010		483.50000	483.50000			-	H	L2	CG	-		4	-	1			-		-		-	-	-
11	п	CH-011		483.50000	483.50000			-	н	L2	CG	-		4	-	4	-		-	-	-		-	-	-
12	И	CH-012		483.50000	483.50000			-	H	L2	CG	-		4	-	1			-		-		-	-	-
13	п	CH-013		483.50000	483.50000			-	н	L2	CG	-		4	-	4			-	-	-		-	-	-
14	ы	CH-014		483,50000	483,50000				H	L2	CG			4		1		1.00							

- Select "MDC1200" for "ANI Type".
- □ Select "Enable" for "ANI Monitor".
- Select "Call 1" for "MDC1200 ANI".

ANI	
Channel 1	ANI Setting
ANI Type	MDC1200
ANI Monitor	Enable 💌
MDC1200 ANI	Call 1
	Cancel

1-3. Program the checking period (intervel timer) for the MDC1200 ARTS

 $\Box \qquad \text{Select "Common"} \rightarrow \text{"Miscellaneous"}.$

<u>F</u> ile	Edit 1	<u>∕iew C</u> ommon <u>S</u> i	gnaling <u>R</u> adi	o Cł	n <u>a</u> nnel <u>H</u> elp										
Se	🗃 🖬 rial N eq. Bs	mal <u>E</u> ront Pane <u>E</u> mengency	i 📙		oduct Type Version	VX-4600	(Mobile)		Radi	o Ch	annel	51	2		
List	W/N	Pass <u>w</u> ord Direct CH	1	Frequ	lency	Sub i	Audio	Save	ТΧ	PWR	sc	Auto	TOT	SOL	Clo
No.	0/N	Mobile D-S	UB 15 X		TX	Dec	Enc	TX	н	L	Grp	Scan	101	SQL	RX
1	N	CI Miscellaneo		000	483.50000			-	н	L2	CG	-		4	-
2	N	CI CH Announ		000	483.50000			-	Н	L2	CG	-		4	-
з	N	CI Marketing	50	000	483.50000				H	L2	CG	-		4	-
4	N	CH-004	- 400.50	000	483.50000			-	Η	L2	CG	-		4	-
5	N		483.50	000	483.50000			-	Н	L2	CG	-		4	-
6	N		483.50	000	483.50000				Η	L2	CG	-		- 4	-
7	N	CH-007	483.50	000	483.50000			-	Н	LΖ	CG	-		4	-
8	N		483.50	000	483.50000				H	L2	CG	-		-4	-
9	N		483.50	000	483.50000			-	Н	L2	CG	-		4	-
10	N	CH-010	483.50	000	483.50000				H	L2	CG			-4	
	N	CH-011	483.50		483.50000			-	H	L2	CG	-		4	-

Set "Misc 2", then select "25 sec or 55 sec" for "ARTS TX Time".

Sub Audio/Signaling			Mobile		
ARTS Mode	TRX	•	External PT <u>T</u>	Enable	•
ARTS Beep	Enable	•	Hook Function	Disable	•
ARTS TX Time	25 sec	•	OEF Hook Scan	Scan Disable	7
CTCSS Tail Elimination	Disable	-	OFF Hook Signaling	Sig. Off	-
Tail <u>B</u> limination Time	200 msec	v	OFF Hook Call 4	Disable	-
Bell	Disable	•	ON Hook Call 5	Disable	-
Clock Shift Width					
RX (Positive)	20	ppn	Ignition Sense	Disable	•
RX (Negative)	-150	ppn	Horn Alert Time	10 sec	•
TX (Positive)	20	ppn	Horn Alert One Time	Disable	•
TX (Negative)	-150	ppn			_



1-4. Program the MDC-1200 ARTS Login Check function key

 $\square \qquad \text{Select "Common"} \rightarrow \text{"Key Function"}.$

🖬 c	:¥Pro	gram I	iles¥Vertex St	an dar d¥C E1	15¥de fau It46	i00ud.C11	5 - CE11	5 for	VX-4	1500.	/460	0/450	Ser	ies			
<u>F</u> ile	<u>E</u> dit	⊻iew	<u>C</u> ommon <u>Signal</u>	ing <u>R</u> adio C	hannel <u>H</u> elp												
	🗃 🕻 erial		<u>H</u> ardware Option <u>P</u> ower Saving <u>F</u> ront Panel	P	roduct Type	VX-4600	(Mobile)		Radi	io Ch	annel	. 51:	2			-	
F	req. 1	Band	<u>K</u> ey Function	F	J Version	1.00.00	.00										
			<u>E</u> mergency														
List			Pass <u>w</u> ord	Freq	uency	Sub .	Audio	Save	ТX	PWR	sc	Auto			Clo	ck Sk	hift
No.	W/N		Direct CH		TX	Dec	Enc	TX	н	L	Grp	Scan	TOT	SQL	RX	TX	OP
1																	
-	N	CI	Mobile <u>D</u> -SUB Miscellaneous	50000	483.50000			-	н	L2	CG	-		4	-	√	-
2	N	C1 C1	Miscellaneous	50000	483.50000 483.50000			-	H H	L2 L2	CG CG	-		4 4	-	√ √	-
		C1 C1 C1		50000										-	-	•	-
2	N	C1 C1	M <u>i</u> scellaneous CH <u>A</u> nnouncem	50000 ent 50000	483.50000			-	н	L2	CG	-		4	-		-
2	N N	C1 C1 C1	M <u>i</u> scellaneous CH <u>A</u> nnouncem <u>M</u> arketing	ent 50000	483.50000 483.50000			-	H H	L2 L2	CG CG	-		4	- - - -	- 	-
2 3 4	N N N	C1 C1 C1 C1	M <u>i</u> scellaneous CH <u>A</u> nnouncem <u>M</u> arketing	ent 50000 4000.50000	483.50000 483.50000 483.50000			-	H H H	L2 L2 L2	CG CG CG	-		4 4 4	- - - -	4	-

Set the "**ARTS Login**" to the desired keys

Key Funct	ion				X
Key Name	•	Press		Press & Hold	
<u>U</u> p		Сн Up	•	Speed CH Up	•
Down		CH Down	•	Speed CH Down	-
P <u>1</u>		Monitor	•	SQL OFF	•
P <u>2</u>		Dimmer/Lamp	-	None	•
P <u>3</u>		Low Power	-	Rone	•
P <u>4</u>		ARTS Login	-		•
MIC A		ID Check ARTS Login	^		•
MIC B		Option SW 1 Option SW 2		None	•
міс <u>с</u>		REC		None	•
MIC D		TX Save Disable Lock			•
MIC ±		None	-		•
MIC <u>#</u>		None	•	None	•
Hel	p			0K Cancel	

2. How TO USE ARTS

2-1. Login / Logout Check

- Select the channel that the MDC1200 ARTS is programmed.
- The ARTS Mode starts automatically.



"ARTS ON" is displayed.

When the other User is confirmed firstly, the TAG is displayed and the Login Beep sounds.
 When the station (ID) is not in the List, TAG is not displayed and the ID is shown on the LCD.
 When the ID is recognized for 2 minutes, a Logout Beep sounds and the Tag of the station who went out of range is displayed (for 1.5 sec).

2-2. Confirmation of the Login status

- Press the assigned Arts Login Key.
- During the "Arts Login check mode", the all DOTs at the lower part of the LCD light.
- □ Show the number of the current "Login" stations for 1.5 sec.



- U When the number of "Login" is "0" (zero), terminate the Log in check and the Error Beep sounds.
- □ When the number of "Login" is not "0", show the Log-in User List.

3. ARTS Login Key operation

3-1. Portable

[Side 1] / [A] Key: User List Up.
[Side 2] / [B] Key: User List Down.
[C] Key: ARTS Login Check mode ends.

3-2. Mobile

[P1] / Mic [A] Key: User List Up.
[P 2] / Mic [B] Key: User List Down.
Mic [C] Key: ARTS Login Check mode ends.

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