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SERVICE MANUAL	PRODUCT DESCRIPTION	REVISION / ISSUE	DATE	*CD REVISION	AMEND/SUPL/ BULLETIN NO.	DATE	**LAST HARD COPY REV. / SUBJECT / COMMENT
<b>SM01</b>	<b>AA9x/AMS4x Series Audio Controllers</b>			<b>N/A</b>			Last hard copy rev. 1.60 (1-Apr-91). Manual is archived; for reference only. Replaced with SM19, 56, 59
Service Bulletins							
<b>SM02</b>	<b>AA20/22 PA110/220 Loudhailer/PA System Manual</b>			<b>N/A</b>			Last hard copy rev. 2.20 (1-Jan-92). Manual is archived; for reference only. Replaced with SM33, 35
Service Bulletins							
<b>SM03</b>	<b>AA30 Series Audio Accessories</b>			<b>N/A</b>			Last hard copy rev. 2.00 (1-Jan-92). Manual is archived; for reference only. Replaced with SM's for each AA3x product
Service Bulletins							
<b>SM04</b>	<b>TAC/COM™ Series UHF Transceiver (NT403 - NT806)</b>			<b>1.02</b>			Last hard copy rev. 2.00 (8-Apr-94)
Installation & Operation		4.00	27-Nov-03				
Amendments							
Maintenance		2.00	08-Apr-94				
Amendments							Current manual will not be upgraded to 4.0; product no longer in production
Bulletins							
<b>SM05</b>	<b>TAC/COM™ Series VHF Transceiver (NT030 - NT150)</b>			<b>1.02</b>			Last hard copy rev. 2.00 (18-Feb-94)
Installation & Operation		4.00	26-Nov-03				
Amendments							
Maintenance		2.00	18-Feb-94				
Amendments							Current manual will not be upgraded to 4.0; product no longer in production
Bulletins	Service Bulletin	NT136-PAS			603-0001	24-Sep-90	AM100 Scan Rate Modification
	Information Bulletin	NT136-PAS			609-0001	30-Oct-91	Improvement to NT136-PAS
	Service Bulletin	NT136-PAS			603-0002	03-May-94	NT136-PAS Quasi-Sync Mod
	Service Bulletin	NT136-PAS			603-0003	10-May-94	NT136-PAS ACG Improvements
<b>SM06</b>	<b>TAC/COM™ Series Control Head</b>			<b>1.03</b>			Last hard copy rev. 3.00 (14-May-96)
Installation & Operation		4.10	04-Jan-06				
Amendments					1	22-Oct-07	Changes to Section 2
Supplements		1.00			CH400-17(D, D1)	03-Apr-07	Astro/XTL-500 Interface
		1.00			CH400-81	20-Apr-04	Flexcomm Interface (F)
		1.00			CH400-4J, 61, 612	27-Nov-07	'A' Interface (AM Comm Series)
		1.00			CH400-3B, -4E	27-Nov-07	'C' Interface (Flitefone 40)
		1.00			CH400-4C, 4P, 81, 811	27-Nov-07	'F', 'F1', I/F (Wulfsberg Flexcomm)
		1.00			CH400-14	27-Nov-07	'H', 'J' Interface (NTX Series)
		1.00			CH400-10, 101, 4A, 4B	27-Nov-07	'K', 'M', I/F (Midland Syn-tech)
		1.00			CH400-15	27-Nov-07	'L' Interface (Motorola Spectra™)

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		1.00			CH400-4A, 4H, 4I, 4M, 9, 91, NT150	27-Nov-07	N' 'T' 'V' I/F (NT Series)
		1.00			CH400-4B, 4F, 4G, 4M, 6, 61, 611, 7, 7B, 7C, 7C1, 7C2	27-Nov-07	'P', 'Q', 'Q1', 'R', 'U', 'U1' Interfaces (RT7200/9600)
		1.00			CH400-12	27-Nov-07	Y' Interface (Serial Card)
		1.00			CH410-3	27-Nov-07	Z' Interface (Tac/Com Slave)
		1.00			TH450C-002	05-May-08	Custom Tac/Com Controller
		1.00			Th250C-006	14-Jan-08	Custom Tac/Com Controller
Maintenance		4.10	08-Feb-06				
Amendments							
Supplements		1.00			CH400-17(D, D1)	03-Apr-07	Astro/XTL-500 Interface
		1.00			CH400-4J, 61, 612	27-Nov-07	A' Interface (AM Comm Series)
		1.00			CH400-3B, -4E	27-Nov-07	C' Interface (Flitefone 40)
		1.00			CH400-4C, 4P, 81, 811	27-Nov-07	F', 'F1', I/F (Wulfsberg Flexcomm)
		1.00			CH400-14	27-Nov-07	H', 'J' Interface (NTX Series)
		1.00			CH400-10, 101, 4A, 4B	27-Nov-07	K', 'M', I/F (Midland Syn-tech)
		1.00			CH400-15	27-Nov-07	L' Interface (Motorola Spectra™)
		1.00			CH400-4A, 4H, 4I, 4M, 9, 91, NT150	27-Nov-07	N' 'T' 'V' I/F (NT Series)
		1.00			CH400-4B, 4F, 4G, 4M, 6, 61, 611, 7, 7B, 7C, 7C1, 7C2	27-Nov-07	'P', 'Q', 'Q1', 'R', 'U', 'U1' Interfaces (RT7200/9600)
		1.00			CH400-12	27-Nov-07	Y' Interface (Serial Card)
		1.00			CH410-3	27-Nov-07	Z' Interface (Tac/Com Slave)
Bulletins	Service Bulletin	CH400101			603-0001	14-Jul-94	TAC/COM XRT I/F
	Information Bulletin	TH250-K			603-0002	26-Jun-95	Syn-Tech XRT Interface
	Information Bulletin	TH250-K			603-0003	08-Jun-95	Syn-Tech XRT Interface
	Service Bulletin	CH400-14			603-0001	31-Mar-98	Intermittent Operation (MOD 15)
	Service Bulletin	CH400-14			603-0002	06-Nov-02	Latching Problems with connector locking hardware (MOD 1, 20)
	Service Bulletin	CH400-17			603-0001	20-Feb-03	Astro Interface Subassembly
	Service Bulletin	CH400-61			603-0001	14-Jun-01	PTT Delay Circuitry Added
	Service Bulletin	CH400-81			603-0001	10-Nov-00	Radio OK Out Line
	Service Bulletin	TAC/COM "K" I/F			603-0002	26-Jun-95	Syn-Tech XTR Interface
	Service Bulletin	TH250-7 J2J1			603-0001	24-Sep-97	Conversion to TH250-7JJ1
	Service Bulletin	TH450A			603-0001	24-Oct-01	Faceplate Text Change
	Information Bulletin	THxxx			609-0002	17-Dec-01	TAC/COM Control Heads
	Service Bulletin	CH400-612			603-0001	09-May-05	CH400-612 activates VHF-20 PTT circuit during receive mode (MOD 22)
	Service Bulletin	CH400-17			603-0002	12-Apr-07	Software upgrade to support W4/W5
	Service Bulletin	CH400-17			603-0001	20-Feb-03	Correcting "--NO RADIO--" Fault (MOD 21)
	Service Bulletin	CH402-20			603-0001	11-Jan-07	Corrected remote switch operation (MOD 24)

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	Service Bulletin	CH402-20			603-0002	06-Mar-07	Front panel switch interpretation (MOD 25)
	Service Bulletin	TH450C-002			603-0001	16-May-07	CPU Switch clearance (MOD 26)
	Service Bulletin	TH250C-006x			603-0001	18-Jul-07	Faceplate does not sit flush (MOD 27)
	Service Bulletin	TH250-xJ3, TH250-xU1, TH250-17D1B, TH350-16JDD1			603-0001	29-Feb-08	Faceplate bubbling and not sitting flush (MOD 28)
	Service Bulletin	THxxx/CH402-2F			603-0002	22-Apr-09	Replace obsolete NOVRAM. (MOD 29)
	Service Bulletin	TH250-17xx			603-0003	07-Oct-09	Changed display filter. Changed dimming circuit. (MOD 30)
	Service Bulletin	THxxx/CH402-1C,1D, and 1E			603-0004	20-Nov-09	Replace obsolete beryllium strip (Mod 31)
	Service Bulletin	UEC-200			603-0001	07-May-10	Replace obsolete beryllium strip (Mod 7)
<b>SM08 AA80 InterVOX™ Intercom System</b>				<b>1.02</b>			Last hard copy rev. 1.10 (1-Apr-91)
Installation & Operation		4.00	26-Nov-03				Rev. 4.0 reflects electronic conversion of Install & Ops section.
Amendments					1	12-Mar-07	Changes to Section 6
Maintenance	<i>Pending</i>						Mtce. section not completed so no change in original Hard Copy rev.
Amendments							
Bulletins	Service Bulletin	AA80-001/020			AA80-003	06-May-88	Noises in Intercom System
	Installation Bulletin	AA80-002			AA80-002	19-Sep-89	Internal fuse removed (MOD 4)
	Service Bulletin	AA80-XXX			AA80-XXX	03-Oct-89	n/a
	Service Bulletin	AA80-XXX			AA80-XXX	03-Oct-89	n/a
	Service Bulletin	AA80-062			603-0004	18-Dec-97	ICS Tie Line Jumper
<b>SM09 AA82/AA83 InterMUSIC™ Stereo Intercom consists of:</b>				<b>1.04</b>			Last hard copy rev. 2.00 (18-Apr-94)
<b>SM09-1 AA82 InterMUSIC™</b>				<b>"</b>			Last hard copy rev. 2.00 (18-Apr-94)
Installation & Operation		Issue 4.11	29-Aug-08				
Amendments							
Supplements		1.00			AA82-060N\810-0	12-Sep-08	Stereo Intercom System
Maintenance		Issue 4.11	29-Aug-08				
Amendments							
Supplements		1.00			AA82-060N\825-0	12-Sep-08	Stereo Intercom System
Bulletins	Service Bulletin	AA82-001			603-0001	10-Jun-94	AA82-001 InterMUSIC (MOD 2)
	Service Bulletin	AA82-001			603-0002	10-Jun-94	AA82-001 InterMusic (MOD 3)
	Service Bulletin	AA82-060			603-0001	19-Feb-01	AA82-060 Music Volume Control (MOD 4)
<b>SM09-2 AA83-001 InterMUSIC™</b>				<b>"</b>			Last hard copy rev. 2.00 (18-Apr-94)
Installation & Operation		4.10	29-Oct-04				
Amendments							
Maintenance		4.10	20-Oct-04				
Amendments					1	12-May-05	Changes to Section 6
Supplements							
Bulletins	Service Bulletin	AA83-001 (S/N 1151-1230)			83-930517	17-May-93	Component Failure in AA83-001 InterMUSIC Units
	Service Bulletin	AA83-001 (Prior to S/N 1192)			83-930304	04-Mar-93	Shorting of NORMAL/ISO/SPLIT Switch Body to PCB Trace
	Service Bulletin	AA83-001			603-0003	15-Apr-05	VOX Circuit Upgrade (MOD 5)
	Service Bulletin	AA83-001			603-0004	03-May-05	Max ICS VOX does not prevent noise triggering (MOD 6)
	Information Bulletin	AA83-001 (S/N 2939 and later)			609-0	15-Sep-05	AA83-001 Performance Upgrade
<b>SM09-2A AA83-001A InterMUSIC™ Stereo Intercom S/N 2939 and la</b>				<b>"</b>			Last hard copy rev. n/a
Installation & Operation		4.00	08-Feb-06				

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Amendments							
Maintenance		4.00	08-Feb-06				
Amendments							
Bulletins Service Bulletin AA83-001 (S/N 2939 and later)					603-0001	15-Dec-05	Add Four Resistors (MOD 2)
<b>SM09-3 AA83-100 InterMUSIC™ Stereo Intercom</b>				"			Last hard copy rev. n/a
Installation & Operation		4.00	04-Mar-05				
Amendments							
Maintenance		4.00	16-Aug-05				
Amendments					1	20-Dec-05	Changes to Section 6
					2	11-May-06	Changes to Sections 5 and 6
					3	31-Aug-06	Changes to Section 5
Bulletins Service Bulletin AA83-100					603-0001	15-Dec-05	Add Four Resistors (MOD 2)
<b>SM10 AA31 Series ICS Mode Controller</b>				1.02			Last hard copy rev. 2.00 (9-Sep-93)
Installation & Operation		4.10	04-Feb-05				
Amendments							
Supplements		1.00			AA31-109\810-0	06-Dec-07	ICS Mode Controller
Maintenance		4.10	02-Feb-05				
Amendments					1	09-Mar-07	Changes to Section 6
Supplements		1.00			AA31-109	06-Dec-07	ICS Mode Controller
Service Bulletin AA31-303					603-0002	26-Feb-07	Faceplate Bubbling (MOD A)
Service Bulletin AA31-106					603-0003	02-Jul-08	Too much light around knob (MOD A)
<b>SM11 DTE12/TE12/DP12 DTMF Tone Encoder/Data Entry Keypad</b>				1.01			Last hard copy rev. 2.11 (24-May-94)
Installation & Operation		4.00	25-Nov-03				
Amendments							
Maintenance		4.00	29-Jul-04				
Amendments							
Bulletins Service Bulletin DTE/TE12					1	17-Jun-91	DTE/TE12 Tone Transmission
<b>SM15 Remote Switches and Indicators consists of:</b>				1.02			Last hard copy rev. 2.00 (28-Mar-00)
<b>SM15-1 LD08 Lamp Dimmer</b>				"			Last hard copy rev. 1.20 (19-Nov-98)
Installation & Operation		4.00	21-Nov-03				*This manual has not been revised since original hard copy. If there is no CDREV# on left side of the actual disc, your copy is still current as no further version has been issued.
Amendments							
Maintenance		4.00	03-May-04				
Amendments							
Bulletins							
<b>SM15-2 LD12 Lamp Dimmer</b>				"			Last hard copy rev. 1.10 (23-Aug-00)
Installation & Operation		4.00	21-Nov-03				
Amendments							
Maintenance		4.00	03-May-04				
Amendments							
Bulletins							
<b>SM15-3 LL08 Legend Lamp</b>				"			Last hard copy rev. 1.20 (10-Feb-00)
Installation & Operation		4.00	24-Nov-03				
Amendments							
<b>SM15-4 PB08 Illuminated Pushbutton Switch</b>				"			Last hard copy rev. 1.20 (29-Apr-97)

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Installation & Operation		4.00	24-Nov-03				
Amendments							
<b>SM15-5 RS08 Remote Switch</b>				"			Last hard copy rev. 3.00 (8-Feb-00)
Installation & Operation		4.00	24-Nov-03				
Amendments					1	18-Jan-05	Changes to Section 2
Maintenance		4.00	04-May-04				
Amendments							
Bulletins							
<b>SM15-6 RS12/RS24 Remote Switch</b>				"			Last hard copy rev. 1.30 (13-Oct-98)
Installation & Operation		4.00	24-Nov-03				
Amendments					1	12-May-05	Changes to Sections 1 and 2
Supplements		1.00			RS12-500\810-0	13-May-05	Remote Switch
Maintenance		4.00	04-May-04				
Amendments					1	09-Sep-09	Changes to Section 6
Supplements		1.00			RS12-500\825-0	13-May-05	Remote Switch
Bulletins							
<b>SM15-7 RS16 Series Remote Switch</b>				"			Last hard copy rev. 1.10 (29-Feb-00)
Installation & Operation		4.00	24-Nov-03				
Amendments							
Maintenance		4.00	04-May-04				
Amendments					1	29-Aug-05	Changes to Section 6
Bulletins							
<b>SM16 CC250/CC450 Communication Controllers</b>				<b>1.01</b>			Last hard copy rev. 1.10 (25-Mar-94)
Installation & Operation		Issue 1.11	11-Feb-08				
Amendments							
Maintenance		Issue 1.11	28-May-08				
Amendments							
Bulletins							
<b>SM18 AA24/AA25 Series Single User Audio Controller</b>				<b>1.01</b>			Last hard copy rev. 1.00 (7-Jan-02)
Installation & Operation		4.00	21-Nov-03				
Amendments					1	23-Jan-06	Changes to Section 2
Supplements		1.00			AA24-013\810-0	05-Dec-07	Single Use Audio Controller
Maintenance		4.10	05-Oct-04				
Amendments					1	27-Oct-05	Changes to Title Page and Section 5
					2	12-Dec-05	Changes to Section 6
Supplements		1.00			AA24-013\825-0	05-Dec-07	Single Use Audio Controller
Bulletins							
	Service Bulletin	AA25			603-0002	29-Jul-02	Mic Bias Modification (MOD 1)
	Service Bulletin	AA24-001			603-0001	26-Nov-02	Mic Bias Circuit (MOD 1)
	Service Bulletin	AA24-006			603-0003	10-Oct-03	MIC Bias Circuit
	Service Bulletin	AA24-008/009			603-0004	28-Nov-03	True sidetone modification (MOD A)
<b>SM19 AMS42/AMS44 Series Dual Channel Audio Controller</b>				<b>1.08</b>			Last hard copy rev. 1.00 (7-Apr-99)
Installation & Operation		4.00	21-Nov-03				
Amendments					1	30-Jul-04	Changes to Section 2
					2	15-Feb-05	Changes to Title Section and Section 2.
					3	27-May-08	Changes to Section 2

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Maintenance		4.10	30-Jul-04				
Amendments					1	23-Aug-04	Changes to Sections 5 and 6
					2	10-Jan-05	Changes to Title Section and Section 5
					3	02-May-06	Changes to Section 5
					4	04-Jun-06	Changes to Sections 5 and 6
					5	20-Dec-06	Changes to Section 6
					6	22-Mar-07	Changes to Sections 5 and 6
					7	05-May-08	Changes to Section 6
					8	30-Jun-09	Changes to Section 5
Bulletins	Service Bulletin	Obsolete (see #002)			603-0001	06-Feb-95	
	Service Bulletin	AMS44			603-0002	09-Mar-95	VOX/ICS Tie Line Subassembly
	Service Bulletin	AMS42/44			603-0003	26-Sep-03	Replacement of Transformer Insulators (MOD 12)
	Service Bulletin	AA94-407			603-0004	26-Mar-04	Replacement of Transformer Insulators (MOD 12)
	Service Bulletin	AMS42			603-0005	26-Jul-04	DIR AUD #1 Level Increase (MOD 13)
	Service Bulletin	AMS44			603-0006	17-Aug-04	DIR AUD #1 Level Increase (MOD 13)
	Service Bulletin	AMS42/44, AA92-xxx			603-0007	14-Feb-07	ICS Noise (MOD 14)
	Service Bulletin	AMS42/44, AA92-xxx			603-0008	25-Jan-07	ICS Bleedthrough (MOD 15)
	Information Bulletin	AMS42, AMS44			609-0001	18-Nov-08	Left and Right User MIC Bias Circuits Incompatible with PAX
<b>SM21 AA12 Compact Audio Controller</b>				<b>1.03</b>			Last hard copy rev. 1.00 (11-Oct-95)
Installation & Operation		4.10	09-Sep-04				
Amendments							
Maintenance		4.10	09-Sep-04				
Amendments					1	21-Nov-06	Changes to Sections 5 and 6
Bulletins	Service Bulletin	AA12-xxx (S/N 1146 and below)			603-0001	16-Jun-00	Receive Audio Mute (MOD A)
	Service Bulletin	AA12-004 (S/N 1283 and below)			603-0002	30-Jan-01	Non-Artificial Radio Sidetone (MOD B)
	Service Bulletin	AA12-004 (S/N 1591 and below)			603-0003	05-Jan-01	Input Impedance (MOD C)
	Service Bulletin	AA12-004 (S/N 1629 and below)			603-0004	05-Jan-01	Sidetone Impedance (MOD D)
<b>SM22 AA20-431 Cabin PA System</b>				<b>1.06</b>			Last hard copy rev. 3.20 (29-Jan-02)
Installation & Operation		4.10	21-Apr-04				
Amendments					1	18-Jan-05	Changes to Section 2
					2	17-Feb-09	Changes to Section 2
Maintenance		4.10	21-Apr-04				
Amendments					1	05-Sep-06	Changes to Title Section and Section 5
					2	08-Feb-07	Changes to Section 6
					3	28-Jan-08	Changes to Section 5
					4	16-Feb-09	Changes to Section 5/6
					5	28-Jul-09	Changes to Section 6
Bulletins	Service Bulletin	AA-431			603-0001	30-Nov-01	Power Supply Ripple Reject (MOD 2)
	Service Bulletin	AA20-431			603-0002	13-Feb-09	45-01-001 is obsolete. (MOD 3)
	Service Bulletin				603-0003	13-Feb-09	45-01-001 is obsolete. (MOD 3)
	Service Bulletin	AA20-431			603-0004	27-Jan-10	Revised Chassis and Faceplate (MOD 4)
<b>SM23 AA23 Speaker Amplifier</b>				<b>1.02</b>			Last hard copy rev. 2.00 (20-Dec-00)
Installation & Operation		4.00	21-Nov-03				
Amendments					1	29-Oct-04	Changes to Section 2
Maintenance		4.00	27-Jul-04				

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Amendments					1	29-Oct-04	Changes to Sections 5 and 6
					2	03-Nov-05	Changes to Section 6
					3	21-Jun-07	Changes to Section 6
Bulletins	Service Bulletin	AA23-xxx			603-0001	20-Feb-01	Shorted Capacitor/Output Oscillation (MOD 2)
	Service Bulletin	AA23-xxx			603-0002	24-May-02	Q101 Emitter to Collector Short (MOD 3)
	Service Bulletin	AA23-001			603-0003	15-May-07	Changed screw length (MOD 4)
<b>SM25 AA35 Series Audio Mixer Panel</b>				<b>1.03</b>			Last hard copy rev. 2.00 (15-Nov-00)
Installation & Operation		Issue 4.01	10-Oct-08				
Amendments							
Supplements		1.02			AA35-000\810-0	25-Aug-10	Audio Mixer Panel
		1.00			AA35-100\810-0	10-Oct-08	Audio Mixer Panel
		1.10			AA35-400\810-0	10-Oct-08	Audio Mixer Panel
		1.00			AA35-202\810-0	15-Jun-09	Audio Mixer Panel
Maintenance		Issue 4.01	10-Oct-08				
Amendments							
Supplements		1.00			AA35-000\825-0	08-Jul-09	Audio Mixer Panel
		1.00			AA35-100\825-0	16-Oct-08	Audio Mixer Panel
		1.02			AA35-400\825-0	03-Oct-08	Audio Mixer Panel
		1.00			AA35-202\825-0	14-May-09	Audio Mixer Panel
Bulletins	Service Bulletin	AA35-2G			603-0001	17-Jul-07	Changed Screw Length (MOD A)
	Service Bulletin	AA35-100			603-0002	13-Aug-08	Interference from Antennas (MOD A)
	Service Bulletin	AA35-xxx			603-0003	25-Feb-09	Oscillations at low volume. (MOD 1)
	Service Bulletin	AA35-xxx			603-0004	05-Oct-09	Oscillations at low volume. (MOD 1)
<b>SM27 AMS43 TSO Single Channel Audio Controller</b>				<b>1.09</b>			Last hard copy rev. 2.00 (Mar-02-00)
Installation & Operation		Issue 4.01	26-Jan-10				
Amendments							
Supplements							
		1.10			AA95TSO-844\810-0	31-Mar-08	Audio Controller
		1.10			AA95TSO-849\810-0	31-Mar-05	Audio Controller
		1.10			AA95TSO-853\810-0	31-Mar-05	Audio Controller
		1.30			AA95TSO-863\810-0	07-Feb-06	Audio Controller
		1.10			AA95TSO-866\810-0	17-Mar-05	Audio Controller
		1.40			AA95TSO-868\810-0	31-Mar-05	Audio Controller
		1.10			AA95TSO-880\810-0	31-Mar-05	Audio Controller
		1.30			AA95TSO-887\810-0	17-May-07	Audio Controller
		1.10			AA95TSO-891\810-0	31-Mar-05	Audio Controller
		1.12			AA95TSO-896\810-0	06-May-08	Audio Controller
		1.10			AA95TSO-899\810-0	31-Mar-05	Audio Controller
		1.10			AA95TSO-907\810-0	05-Apr-05	Audio Controller
		1.10			AA95TSO-911\810-0	31-Mar-05	Audio Controller
		1.01			AA95TSO-919\810-0	18-Mar-05	Audio Controller
		1.10			AA95TSO-920\810-0	31-Mar-05	Audio Controller
		1.00			AA95TSO-931\810-0	17-Jun-04	Audio Controller
		1.00			AA95TSO-941\810-0	08-Dec-04	Audio Controller
		1.14			AA95TSO-954\810-0	09-Sep-09	Audio Controller

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		1.00			AA95TSO-958\810-0	06-Dec-05	Audio Controller
		1.00			AA95TSO-964\810-0	17-Jul-07	Audio Controller
		1.00			AA95TSO-965\810-0	15-Sep-06	Audio Controller
Maintenance		Issue 4.02	08-Feb-10				
Amendments							
Supplements							
		1.11			AA95TSO-844\825-0	12-May-08	Audio Controller
		1.11			AA95TSO-849\825-0	12-May-08	Audio Controller
		1.11			AA95TSO-853\825-0	12-May-08	Audio Controller
		1.32			AA95TSO-863\825-0	15-May-07	Audio Controller
		1.20			AA95TSO-866\825-0	09-May-07	Audio Controller
		1.42			AA95TSO-868\825-0	28-Jul-08	Audio Controller
		1.21			AA95TSO-880\825-0	08-Apr-08	Audio Controller
		1.41			AA95TSO-887\825-0	08-Apr-08	Audio Controller
		1.11			AA95TSO-891\825-0	08-Apr-08	Audio Controller
		1.13			AA95TSO-896\825-0	25-Sep-08	Adding Latest PCB Mods
		1.12			AA95TSO-899\825-0	25-Sep-08	Adding Latest PCB Mods
		1.11			AA95TSO-907\825-0	08-Apr-08	Audio Controller
		1.11			AA95TSO-911\825-0	04-Feb-10	Audio Controller
		1.02			AA95TSO-919\825-0	08-Apr-08	Audio Controller
		1.12			AA95TSO-920\825-0	25-Sep-08	Adding Latest PCB Mods
		1.12			AA95TSO-931\825-0	25-Sep-08	Adding Latest PCB Mods
		1.11			AA95TSO-941\825-0	08-Apr-08	Audio Controller
		1.13			AA95TSO-954\825-0	21-Jan-09	Schematics Updated
		1.01			AA95TSO-958\825-0	08-Apr-08	Audio Controller
		1.01			AA95TSO-964\825-0	08-Apr-08	Audio Controller
		1.01			AA95TSO-965\825-0	08-Apr-08	Audio Controller
Bulletins	Service Bulletin	AMS43 TSO (S/N 1123 and below)			603-0001	27-Jul-00	Power Supply Ripple Voltage Problem
	Service Bulletin	AMS43 TSO			603-0002	15-Mar-02	Diode Change
	Service Bulletin	AA95-868 TSO (S/N 1299 and below)			603-0003	15-Apr-02	Pin Outs Compatible with AMS43 TSO
	Service Bulletin	AA95-xxx TSO			603-0004	21-Jun-02	Diode Change (MOD 4)
	Service Bulletin	AMS43 TSO (S/N 1381 and below)			603-0005	13-Sep-02	Jumper Relocation
	Service Bulletin	AA95-868 TSO			603-0006	07-May-03	Additional Unswitched Inputs (MOD B)
	Service Bulletin	AMS43-TSO			603-0007	07-Dec-04	Power Input Protection (MOD 6)
	Service Bulletin	AA95-880 TSO			603-0008	05-Jul-05	Diode Change (MOD 4) Jumper relocation (MOD 5)
	Service Bulletin	AA95-863 TSO			603-0009	10-Feb-06	PA Key Line Interface (MOD B)
	Service Bulletin	AA95-863 TSO			603-0010	27-Feb-06	PA Key Line Interface (MOD B)
	Service Bulletin	AMS43 TSO (S/N 1893 and below)			603-0011	08-Jun-06	Capacitor Clearance (MOD 7)
	Service Bulletin	AA95-887 TSO			603-0012	06-Mar-07	Pa Key line option (MOD A)
	Service Bulletin	AA95-866 TSO			603-0013	15-Jun-07	Jumper Relocation (MOD 5)
	Service Bulletin	AA95-xxx TSO			603-0014	13-Jun-07	Capacitor Clearance (MOD 7)
	Information Bulletin	AA95-xxx TSO			609-0001	08-Feb-10	Power Input Protection (MOD 6) for AA95-xxx TSO
<b>SM28</b>	<b>NTX VHF-FM Series Remote Mount Transceiver</b>			<b>1.06</b>			Last hard copy rev. 2.10 (25-Oct-02)
Installation & Operation		4.10	01-Jun-04				



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Amendments					1	19-Nov-04	Changes to Section 2
					2	28-Jul-05	Changes to Section 2
					3	14-Jan-08	Changes to Section 2
Maintenance		4.10	01-Jun-04				
Amendments					1	08-Mar-06	Changes to Title Section
Bulletins	Service Bulletin	NTX138-xxx			603-0001	30-Jul-97	Failing Crystal Oscillators
	Service Bulletin	NTX138-2			603-0002	18-Jun-98	TX Power Level/Stability (MOD 1)
	Service Bulletin	NTX138-2			603-0003	18-Jun-98	TX Relay "Chatters" at 174 MHz (MOD 2)
	Service Bulletin	NTX138-2			603-0004	18-Jun-98	Low TX Deviation During Low Temperature Operation (MOD 6)
	Service Bulletin	NTX138-2, NTX138-5			603-0005	26-Jun-98	VCO Gain and Loop Filter (MOD 5); NTX138-5 DCS Change (MOD 7)
	Service Bulletin	NTX138-7			603-0006	18-Jun-98	Test Set Compatibility Requirements (MOD 3)
	Service Bulletin	NTX138-7			603-0007	18-Jun-98	DCS Mods, RNOAF Contract Requirements (MOD 4)
	Service Bulletin	NTX138-5			603-0008	13-Mar-01	DCS Inoperative (MOD 7)
	Service Bulletin	NTX138-2			603-0011	30-Nov-04	RF Power Level ((MOD 8))
	Service Bulletin	NTX138-5			603-0009	03-May-05	U510 Insulator (MOD 9)
	Service Bulletin	NTX138-5			603-0010	06-Jan-06	RX Failure - High Temp (MOD 11)
	Service Bulletin	NTX138-7			603-0012	12-Jun-06	Capacitor dielectric leakage (MOD 12)
	Service Bulletin	NTX138-7			603-0013	08-Mar-07	Transmit Characteristics (NTX138 MOD 14, NTX066 MOD 2)
	Service Bulletin	NTX138-2, NTX138-5			603-0014	19-Mar-07	Rx Failure at Low Temp. (MOD 15)
	Service Bulletin	NTX138			603-0015	04-Feb-08	Firmware update (MOD 17)
	Service Bulletin	NTX138-7			603-0016	26-Jun-08	Obsolete audio bandpass filter
	Service Bulletin	NTX138-4E			603-0017	27-Oct-08	High Temperature Failure, MOD A
	Service Bulletin	NTX138-7			603-0018	04-Feb-09	Firmware update (MOD 19)
	Service Bulletin	NTX138-7			603-0019	12-May-09	Aux Receive Audio level too high. NTX066 (MOD 7 ), NTX138 (MOD 20)
	Information Bulletin	NTX138			609-0001	04-May-09	Intermittent Failure to Receive
	Service Bulletin	NTX066-xxx			603-0020	10-Jun-09	Even high power across the frequency band
<b>SM29 MI34 Series Mobile Interface</b>				<b>1.01</b>			Last hard copy rev. 1.10 (06-Mar-08)
Installation & Operation		4.00	20-Nov-03				
Amendments					1	10-Jan-07	Changes to Title Section and Section 2
Maintenance		4.00	22-Jul-04				
Amendments					1	10-Jan-07	Changes to Section 6
Bulletins							
<b>SM30 RA Series Remote Attenuators</b>				<b>1.02</b>			Last hard copy rev. 1.10 (06-Mar-98)
Installation & Operation		Issue 4.01	06-Aug-08				
Amendments							
Maintenance		Issue 4.01	06-Aug-08				
Amendments							
Bulletins							
<b>SM32 VR28-013 Voltage Regulators consists of:</b>				<b>1.01</b>			
<b>SM32 VR28-013 Voltage Regulator (S/N 1220 and below)</b>				<b>"</b>			Last hard copy rev. 1.00 (31-Jul-01)
Installation & Operation		4.00	10-Nov-03				
Amendments					1	17-Aug-06	Changes to Title Section
Maintenance		4.00	22-Jul-04				

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Amendments					1	17-Aug-06	Changes to Title Section
Bulletins	Service Bulletin	VR28-013			603-0001	24-Jan-06	Repair Procedure for a Unit with Defective Part 32-23-080 (MOD 2)
<b>SM32A VR28-013 Voltage Regulator (S/N 1221 and later)</b>				"			
Installation & Operation		4.00	21-Aug-06				
Amendments							
Maintenance		4.00	21-Aug-06				
Amendments					1	27-Jun-07	Changes to Sections 5 and 6
					2	25-Jan-08	Changes to Section 6
Bulletins	Service Bulletin	VR28-013			603-0001	24-May-07	Power Key Line Reset (MOD 3)
Bulletins	Service Bulletin	VR28-013			603-0002	11-Sep-07	RFI/EMI Emissions (MOD 4)
<b>SM33 AA20AA22 Series PA/Siren Systems consists of:</b>				<b>1.06</b>			Last hard copy rev. 1.00 (19-Mar-03)
<b>SM33-1 AA20 PA/Siren Systems</b>				"			Last hard copy rev. 3.00 (11-Mar-03)
Installation & Operation		Issue 4.01	26-Jun-08				
Amendments							
Maintenance		Issue 4.01	26-Jun-08				
Amendments							
Bulletins							
<b>SM33-2 AA22 PA/Siren Controls</b>				"			Last hard copy rev. 1.00 (31-Oct-02)
Installation & Operation		Issue 4.01	25-Jun-08				
Amendments							
Maintenance		Issue 4.01	25-Jun-08				
Amendments							
Bulletins	Service Bulletin	AA22-110/160/163			Issue 1	03-Dec-90	Band Pass Modification (MOD 1)
	Service Bulletin	AA22			603-0001	19-Mar-97	Switched 28V Current Capability (MOD 4)
	Service Bulletin	AA22-492			603-0002	10-Apr-07	Improve low frequency response (MOD 6)
<b>SM34 AA21-4xx Cabin PA System</b>				<b>1.06</b>			Last hard copy rev. 1.00 (14-Mar-00)
Installation & Operation		4.00	10-Nov-03				
Amendments					1	18-Jan-05	Changes to section 2
					2	24-May-06	Changes to Title Section and Section 1
					3	21-Apr-09	Changes to Section 2
Supplements		1.01			AA21-401\810-0	23-Mar-09	Remote Mount Cabin PA System
		1.02			AA21-403\810-0	27-Mar-09	Cabin PA System
		1.01			AA21-405\810-0	23-Mar-09	Cabin PA System
		1.11			AA21-406\810-0	24-Mar-09	Remote Mount Cabin PA System
		1.01			AA21-407\810-0	24-Mar-09	PA Controller
		1.01			AA21-408\810-0	14-Feb-08	Cabin PA System
		1.02			AA21-450\810-0	21-Apr-09	Cabin PA System
Maintenance		4.00	27-Apr-04				
Amendments					1	24-Apr-06	Changes to Section 5
					2	28-Jan-08	Changes to Section 5
					3	23-Feb-09	Changes to Section 6
					4	04-May-09	Changes to Section 5
Supplements		1.02			AA21-401\825-0	23-Feb-09	Remote Mount Cabin PA System
		1.02			AA21-403\825-0	17-Mar-09	Cabin PA System
		1.01			AA21-405\825-0	25-Mar-09	Cabin PA System

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		1.13			AA21-406\825-0	20-Nov-08	PA Controller
		1.11			AA21-407\825-0	20-Nov-08	Cabin PA System
		1.02			AA21-408\825-0	20-Nov-08	Cabin PA System
		1.03			AA21-450\825-0	04-Jun-09	Cabin PA System
Bulletins	Service Bulletin	AA21-400			603-0001	26-Apr-02	Fuse Upgrade on +28 Vdc power (MOD 3)
	Service Bulletin	AA21-403/407			603-0002	11-Apr-07	Heat from lamps bubbling faceplate (MOD A)
	Service Bulletin	AA21-403 /407/408			603-0003	10-Apr-08	Faceplate connector pins too long. AA21-403/407 (MOD B), AA21-408 (MOD A)
<b>SM35 PA110/220 High Power Audio Amplifiers</b>				<b>1.08</b>			Last hard copy rev. 1.00 (Feb-04)
Installation & Operation		Issue 4.01	24-Sep-08				
Amendments							
Maintenance		Issue 4.01	19-Aug-08				
Amendments							
Bulletins							
<b>SM36 AA34 Series Universal Radio Interface</b>				<b>1.04</b>			Last hard copy rev. 3.10 (27-Nov-00)
Installation & Operation		Issue 4.02	21-May-10				
Amendments							
Maintenance		Issue 4.02	21-May-10				
Amendments							
Bulletins							
	Service Bulletin				603-0001	29-May-00	Replaced by 603-0002
	Service Bulletin				603-0002	16-Feb-01	MIC Level Trimpot Resistor Change, PCB Insulator Board (MOD 2)
	Service Bulletin				603-0003	24-Aug-09	Obsolete power amplifier (MOD 4)
	Service Bulletin				603A0005	21-May-10	Update labels.(MOD Various)
<b>SM37 AA38-3xx Series Local ICS Loop</b>				<b>1.02</b>			Last hard copy rev. 1.10 (15-Dec-00)
Installation & Operation		Issue 4.11	05-Sep-08				
Amendments							
Supplements		1.00			AA38-380\810-0	18-Jul-05	Local ICS Loop
					AA38-381\810-0	02-Sep-05	16 Place Local ICS Loop
Maintenance		Issue 4.01	05-Sep-08				
Amendments							
Supplements		1.00			AA38-380\825-0	20-Jul-05	Local ICS Loop
		1.00			AA38-381\825-0	06-Sep-05	16 Place Local ICS Loop
Bulletins							
	Service Bulletin	AA38-300/301			603-0001	11-Apr-02	VOX Modification (MOD 2 and MOD 1)
	Service Bulletin	AA38-300			603-0002	10-Feb-03	Resistor Network Replacement (MOD 3)
	Service Bulletin	AA38-300/301			603-0003	23-Jun-05	Unstable operation when MIC input excited (MOD 4)
	Service Bulletin	AA38-300/301			603-0004	15-Jul-05	Frequency response may exceed specification (MOD 5)
<b>SM38 AA85 InterVOX II™ Intercom</b>				<b>1.01*</b>			Last hard copy rev. 1.10 (16-Mar-01)
Installation & Operation		4.10	09-Jun-04				*This manual has not been revised since original hard copy. If there is no CDREV# on left side of the actual disc, your copy is still current as no further version has been issued.
Amendments					1	18-Jan-05	Changes to Section 2
					2	11-Apr-06	Changes to Section 2

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Maintenance		4.10	09-Jun-04				
Amendments					1	20-Apr-05	Changes to Section 6
Bulletins	Service Bulletin	AA85-001			603-0001	01-Jun-98	Silicon Insulator for U103
	Service Bulletin	AA85-001			603-0002	12-Oct-99	Inductor Overheating Problem
	Service Bulletin	AA85-001			603-0003	20-Apr-05	Headset noise at startup (MOD 5)
<b>SM39 AA37 Series Alerting System</b>				<b>1.02</b>			Last hard copy rev. 1.40 (9-Jun-97)
Installation & Operation		4.00	10-Nov-03				
Amendments							
Supplements		1.01			AA37-003\810-0	28-Aug-03	Dual Channel Alerting System
Maintenance		4.10	19-Jul-04				
Amendments					1	15-Nov-06	Changes to Section 6
Bulletins	Service Bulletin	AA37-212, AA37-001			603-0001	29-Jul-97	Incorrect Power Output Levels
<b>SM40 UT12-000 Universal Tone Encoder/Decoder</b>				<b>1.01</b>			Last hard copy rev. 1.00 (6-Aug-03)
Installation & Operation		4.00	09-Feb-05				
Amendments							
Maintenance		4.00	09-Feb-05				
Amendments							
Bulletins							
<b>SM41 NPX138/NPX138N Panel Mount Radio</b>				<b>1.03</b>			Last hard copy rev. 1.10 (7-Feb-03)
Installation & Operation		Issue 4.01	17-Aug-10				
Amendments							
Supplements		1.00			NPX138-000\810-0	29-Jun-10	Panel Mount VHF FM Transceiver
		1.00			NPX138-050\810-0	29-Jun-10	Panel Mount VHF FM Transceiver
		1.00			NPX138N-270\810-0	05-May-09	Panel Mount FM Transceiver with NVIS Compatible Faceplate
		1.00			NPX138N-500\810-0	29-Apr-10	Panel Mount VHF FM Transceiver With 5Vdc Panel
		1.00			NPX138N-900\810-0	03-Jun-10	Panel Mount FM Transceiver with NVIS Compatible Faceplate
Maintenance		Issue 4.11	17-Aug-10				
Amendments							
Supplements		1.00			NPX138-000\825-0	29-Jun-10	Panel Mount VHF FM Transceiver
		1.00			NPX138-050\825-0	29-Jun-10	Panel Mount VHF FM Transceiver
		1.01			NPX138N-270\825-0	23-Feb-10	Panel Mount FM Transceiver with NVIS Compatible Faceplate
		1.00			NPX138N-500\825-0	29-Apr-10	Panel Mount VHF FM Transceiver With 5Vdc Panel
		1.00			NPX138N-900\825-0	03-Jun-10	Panel Mount FM Transceiver with NVIS Compatible Faceplate
Bulletins	Service Bulletin	NPX138-050			603-0001	11-Mar-96	Conversion from -050 to -000 variant
	Service Bulletin	NPX138-6N			603-0001	30-Nov-00	Squelch / SINAD Instability (MOD 7)
	Service Bulletin	NPX138-6N			603-0002	30-Nov-00	Squelch Issues (MOD 8)
	Service Bulletin	NPX138-5N			603-0003	04-Dec-00	Operation at Temperature Extremes (MOD 9)
	Service Bulletin	NPX138-1N			603-0004	30-Nov-00	Night Dimming Circuit Failure (MOD 6)
	Service Bulletin	NPX138-7			603-0005	29-May-01	Failing Capacitor C709 (MOD 13)
	Service Bulletin	NPX138-6N			603-0006	20-Nov-02	Squelch and Scan Difficulties (MOD 14)
	Service Bulletin	NPX138-1N			603-0007	07-Aug-02	Removal of Obsolete Audio Bandpass Filter (MOD 15)
	Service Bulletin	NPX138-6N			603-0008	31-Jul-07	Increased sensitivity (MOD 16)

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	Service Bulletin	NPX138N-x00 and x70			603-0009	26-Feb-10	Obsolete part (MOD 17)
	Information Bulletin	NPX138-6N			609-0001	14-Aug-07	NPX138N Main Receiver Subassembly
<b>SM42 AA36-002 (-ECF) Tie Line Adapter 1.02</b>							
Installation & Operation		4.00	05-Dec-03				
Amendments							
Maintenance		4.00	05-Dec-03				
Amendments					1	09-Mar-07	Changes to Sections 5 and 6
Bulletins	Service Bulletin	AA36-ECF			603-0001	08-Feb-07	T103 & T104 Impedance Matching (MOD 1)
<b>SM43 AA39 Series Headset Adapters 1.04</b>							
Installation & Operation		Issue 4.01	05-Jun-08				
Amendments							
Maintenance		Issue 4.11	06-Jun-08				
Amendments							
Bulletins	Service Bulletin	AA39-187/287			603-0001	16-Jun-04	OP-Amp Supply Voltage Increase(MOD 1)
<b>SM44 PA250 and PA700 Series consists of: 1.06</b>							
<b>SM44-1 PA250 Series High Power Voice Amplifier "</b>							
Installation & Operation		Issue 4.02	10-Mar-09				
Amendments							
Maintenance		Issue 4.01	13-Aug-08				
Amendments							
Bulletins	Information Bulletin	PA250			609-0001	07-Dec-99	Audio Power Amplifier
	Service Bulletin	PA250			603-0001	14-Apr-08	Isolated chassis ground (MOD A)
	Service Bulletin	PA250			603-0002	23-May-08	Isolated chassis ground (MOD 3)
	Service Bulletin	PA250			603-0003	09-Jun-08	Isolated chassis ground (MOD A)
<b>SM44-2 PA700 Series High Power Voice Amplifier "</b>							
Installation & Operation		Issue 4.02	10-Mar-09				
Amendments							
Maintenance	700 Series S/N up to 1075	Issue 4.01	13-Aug-08				
Amendments							
Bulletins	Information Bulletin	PA250			609-0001	07-Dec-99	Audio Power Amplifier
	Information Bulletin	PA700			609-0001	29-Mar-01	Audio Power Amplifier
Maintenance	700 Series S/N 1076 and up	Issue 4.01	13-Aug-08				
Amendments							
Bulletins	Information Bulletin	PA250			609-0001	07-Dec-99	Audio Power Amplifier
	Information Bulletin	PA700			609-0001	29-Mar-01	Audio Power Amplifier
	Service Bulletin	PA700			603-0001	04-Jun-08	Isolated chassis ground (MOD 3)
<b>SM45 N301A-000 Single User Audio Controller 1.12</b>							
Installation & Operation		Issue 4.01	18-Sep-08				
Amendments							
Supplements		1.00			N301A-013\810-0	07-Apr-10	Audio Controller
		1.01			N301A-015\810-0	19-Aug-05	Audio Controller
		1.00			N301A-016\810-0	06-Apr-10	Audio Controller

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		2.02			N301A-035\810-0	14-Jul-09	Single User Audio Controller
		1.00			55-11-002\810-0	03-Jun-04	N301A-035 Finished Faceplate
		1.00			N301A-050\810-0	02-Jun-04	Audio Controller
		1.00			N301A-052\810-0	14-Apr-04	Audio Controller
		1.00			N301A-053\810-0	14-Apr-04	Audio Controller
		1.00			N301A-054\810-0	18-Mar-05	Audio Controller
		1.00			N301A-055\810-0	12-Oct-04	Audio Controller
		1.00			N301A-056\810-0	18-Oct-04	Audio Controller
		1.00			N301A-057\810-0	21-Apr-05	Audio Controller
		1.00			N301A-059\810-0	01-Sep-05	Audio Controller
		1.10			N301A-060\810-0	17-Sep-08	Audio Controller
		1.10			N301A-061\810-0	27-Feb-06	Audio Controller
		1.00			N301A-062\810-0	09-May-06	Audio Controller
		1.00			N301A-063\810-0	20-Jun-06	Audio Controller
		1.00			N301A-064\810-0	27-Sep-06	Audio Controller
		1.20			N301A-065\810-0	11-Apr-07	Audio Controller
		1.10			N301A-067\810-0	19-Jan-07	Audio Controller
		1.00			N301A-068\810-0	23-Oct-06	Audio Controller
		1.10			N301A-069\810-0	19-Jan-07	Audio Controller
		1.00			N301A-070\810-0	21-Nov-06	Audio Controller
		1.00			N301A-071\810-0	18-Dec-06	Audio Controller
		1.00			N301A-073\810-0	08-Jan-08	Audio Controller
		1.01			N301A-074\810-0	02-Jan-07	Audio Controller
		1.21			N301A-075\810-0	02-Jun-09	Audio Controller
		1.00			N301A-078\810-0	06-Aug-08	Audio Controller
		1.01			N301A-079\810-0	11-Jun-10	Audio Controller
		1.11			N301A-500\810-0	05-May-09	Audio Controller
		1.11			N301A-518\810-0	05-May-09	Audio Controller
		1.20			N301A-519\810-0	15-Apr-09	Audio Controller
		1.10			N301A-526\810-0	15-Apr-09	Audio Controller
		1.10			N301A-531\810-0	22-Apr-09	Audio Controller
Maintenance		Issue 4.02	11-Feb-09				
Amendments							
Supplements		1.00			N301A-013\825-0	07-Apr-10	Audio Controller
		1.02			N301A-015\825-0	24-Aug-07	Audio Controller
		1.00			N301A-016\825-0	07-Apr-10	Audio Controller
		1.00			N301A-020\825-0	19-Feb-01	Audio Controller
		1.10			N301A-028\825-0	20-Dec-01	Single User Audio Controller
		1.00			N301A-029\825-0	18-Sep-01	Single User Audio Controller
		1.01			N301A-030\825-0	31-Jul-03	Single User Audio Controller
		1.00			N301A-032\825-0	26-Sep-06	Single User Audio Controller
		1.00			N301A-034\825-0	15-May-02	Single User Audio Controller
		2.01			N301A-035\825-0	26-Jan-09	Single User Audio Controller

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		1.00			55-11-002\825-0	03-Jun-04	N301A-035 Finished Faceplate
		1.00			N301A-036\825-0	13-Jun-02	Single User Audio Controller
		1.00			N301A-037\825-0	05-Jun-02	Single User Audio Controller
		1.00			N301A-038\825-0	28-Jun-02	Single User Audio Controller
		1.00			N301A-040\825-0	21-Feb-03	Single User Audio Controller
		1.00			N301A-041\825-0	11-Feb-03	Single User Audio Controller
		1.01			N301A-042\825-0	12-Jun-03	Single User Audio Controller
		1.00			N301A-043\825-0	25-Feb-03	Single User Audio Controller
		1.00			N301A-045\825-0	18-Jun-03	Audio Controller
		1.00			N301A-046\825-0	07-Jul-03	Single User Audio Controller
		1.00			N301A-047\825-0	29-Sep-06	Audio Controller
		1.00			N301A-048\825-0	16-Dec-03	Single User Audio Controller
		1.00			N301A-050\825-0	31-May-04	Audio Controller
		1.00			N301A-052\825-0	14-Apr-04	Audio Controller
		1.00			N301A-053\825-0	02-Oct-06	Audio Controller
		1.00			N301A-054\825-0	05-Apr-05	Audio Controller
		1.00			N301A-055\825-0	12-Oct-04	Audio Controller
		1.00			N301A-056\825-0	18-Oct-04	Audio Controller
		1.00			N301A-057\825-0	22-Apr-05	Audio Controller
		1.00			N301A-059\825-0	30-Aug-05	Audio Controller
		1.11			N301A-060\825-0	04-Feb-09	Audio Controller
		1.10			N301A-061\825-0	27-Feb-06	Audio Controller
		1.00			N301A-062\825-0	02-May-06	Audio Controller
		1.00			N301A-063\825-0	28-Jun-06	Audio Controller
		1.00			N301A-064\825-0	06-Oct-06	Audio Controller
		1.10			N301A-065\825-0	11-Apr-07	Audio Controller
		1.10			N301A-067\825-0	13-Apr-07	Audio Controller
		1.00			N301A-068\825-0	20-Oct-06	Audio Controller
		1.10			N301A-069\825-0	13-Apr-07	Audio Controller
		1.00			N301A-070\825-0	22-Nov-06	Audio Controller
		1.00			N301A-071\825-0	18-Dec-06	Audio Controller
		1.00			N301A-073\825-0	03-Jan-08	Audio Controller
		1.01			N301A-074\825-0	03-Jan-08	Audio Controller
		1.00			N301A-075\825-0	09-Jan-08	Audio Controller
		1.00			N301A-078\825-0	06-Aug-09	Audio Controller
		1.00			N301A-079\825-0	21-Sep-09	Audio Controller
		1.10			N301A-500\825-0	16-Apr-09	Single User Audio Controller
		1.10			N301A-518\825-0	16-Apr-09	Single User Audio Controller
		1.20			N301A-519\825-0	16-Apr-09	Single User Audio Controller
		1.10			N301A-526\825-0	16-Apr-09	Single User Audio Controller
		1.10			N301A-531\825-0	16-Apr-09	Single User Audio Controller
Bulletins	Service Bulletin	N301A			N301A-081	24-Jun-99	VOX Circuit (MOD 3)
	Service Bulletin	N301A-519			N301A-082	30-Oct-00	Magnetic Field Susceptibility (MOD A)
	Service Bulletin	N301A			N301A-083	17-May-04	Op-amp Supply Voltage Increase (MOD 7)
	Service Bulletin	N301A-037/060			N301A-084	13-Dec-06	Backlighting PCB (MOD A)

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	Service Bulletin	N301A-039/042/043/048/057/059/063			N301A-085	10-Jan-07	NVG Filter Cracked (MOD A)
	Service Bulletin	N301A-065			N301A-086	23-Jan-07	NAT Logo Removed (MODA)
	Service Bulletin	N301A-067/069			N301A-087	08-Feb-07	LED Too Bright (MOD A)
	Service Bulletin	N301A-065			N301A-088	08-Feb-07	LED Too Bright (MOD B)
	Service Bulletin	N301A-037/060			N301A-089	07-Feb-07	Faceplate Quality (MOD B)
	Service Bulletin	N301A-065			N301A-090	26-Mar-07	Faceplate Text (MOD C)
	Service Bulletin	N301A-xxx			N301A-091	23-Aug-07	Screws Contacting Transformer (MOD 8)
	Service Bulletin	N301A-065			N301A-092	04-Sep-07	Heat induced bubbles forming of faceplate (MOD D)
	Service Bulletin	N301A067/069			N301A-093	04-Sep-07	Heat induced bubbles forming of faceplate (MOD B)
	Service Bulletin	N301A-065/067/069			N301A-094	24-Jan-08	Faceplate connector too long (MOD C)
	Service Bulletin	N301A-060			N301A-095	11-Aug-08	Inverter Noise (MOD C)
	Service Bulletin	N301A-060			N301A-096	08-Jan-09	Unintentional muting (MOD D)
<b>SM46 N335 Dual User Audio Controllers</b>				<b>1.09</b>		<b>19-Apr-00</b>	Last hard copy rev. 1.00 (19-Apr-00)
Installation & Operation		Issue 4.21	14-Apr-09				
Amendments							
Supplements		1.00			N335-050\810-0	05-Dec-05	Audio Controller
		1.00			N335-056\810-0	05-Dec-05	Audio Controller
		1.03			N335-069\810-0	02-Sep-09	Audio Controller
		1.03			N335-070\810-0	03-Sep-09	Audio Controller
		1.00			N335-072\810-0	02-Apr-09	Audio Controller
		1.00			N335-073\810-0	02-Apr-09	Audio Controller
Maintenance		Issue 4.11	02-Jun-09				
Amendments							
Supplements		1.00			N335-050\825-0	05-Dec-05	Audio Controller
		1.00			N335-056\825-0	05-Dec-05	Audio Controller
		1.03			N335-069\825-0	02-Sep-09	Audio Controller
		1.03			N335-070\825-0	03-Sep-09	Audio Controller
		1.00			N335-072\825-0	02-Apr-09	Audio Controller
		1.00			N335-073\825-0	02-Apr-09	Audio Controller
Bulletins	Service Bulletin	N335 Series			603-0001	22-Dec-05	Connector H/W Change (MOD A)
	Service Bulletin	N335 Series			603-0002	16-Mar-06	Annunciator Dimming Threshold Reduced (MOD D)
	Service Bulletin	N335-060/064			603-0003	28-Mar-07	Faceplate Quality (MOD A)
	Service Bulletin	N335 Series			603-0004	20-Jun-08	Faceplate luminance corrections
	Service Bulletin	N335-041/042			603-0005	13-Feb-09	Added countersink to emergency switch hole. (MOD A)
	Service Bulletin	N335-069-N335-070			603-0006	24-Mar-09	Connector J101 locking hardware changed to threaded studs. (MOD A)
	Service Bulletin	N335-070			603-0007	03-Sep-09	RX Mute function added. (MOD B)
	Service Bulletin	N335-069			603-0008	02-Sep-09	RX Mute function added. (MOD B)
<b>SM47 VR33 Series DC Power Converter</b>				<b>1.01</b>			
Installation & Operation		4.00	16-Nov-05				
Amendments							
Maintenance		4.00	16-Nov-05				
Amendments					1	06-Sep-06	Changes to Section 6
Bulletins							
<b>SM48 AA86/87 Stereo Intercom</b>				<b>1.01</b>			Last hard copy rev. 2.00 (8-Jul-99)



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Installation & Operation		4.00	12-Nov-03				
Amendments							
Maintenance	<i>Pending</i>						
Amendments							
Bulletins							
<b>SM50</b>	<b>AMS50 Series Stereo Audio Panel with Marker</b>			<b>1.02</b>			Last hard copy rev. (20-Jun-01)
Installation & Operation		4.00	12-Nov-03				
Amendments					1	18-Jan-05	Changes to Section 2
					2	20-Mar-06	Changes to Sections 2 and 3
Supplements		1.00			AMS50-001\810-0	19-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-010\810-0	18-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-011\810-0	19-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-020\810-0	19-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-021\810-0	19-May-06	Stereo Audio Panel with Marker
		1.00			AMS50-030\810-0	12-Apr-05	Stereo Audio Panel with Marker
		1.00			AMS50-031\810-0	12-Apr-05	Stereo Audio Panel with Marker
		1.05			AMS50-100\810-0	14-Jun-06	Stereo Audio Panel
		1.05			AMS50-101\810-0	13-Jun-06	Stereo Audio Panel with Marker
		1.03			AMS50-110\810-0	14-Jun-06	Stereo Audio Panel
		1.03			AMS50-111\810-0	14-Jun-06	Stereo Audio Panel
		1.02			AMS50-120\810-0	14-Jun-06	Stereo Audio Panel
		1.02			AMS50-121\810-0	14-Jun-06	Stereo Audio Panel
		1.00			AMS50-130\810-0	12-Apr-05	Stereo Audio Panel
		1.00			AMS50-131\810-0	12-Apr-05	Stereo Audio Panel
		1.02			AS4100-101\810-0	14-Oct-03	Stereo Audio Panel
Maintenance		4.00	30-Apr-04				
Amendments					1	15-Feb-06	Changes to Title Section and Section 4
					2	15-May-06	Changes to Title Section and Section 6
Supplements		1.00			AMS50-001\825-0	19-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-010\825-0	18-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-011\825-0	19-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-020\825-0	19-May-06	Stereo Audio Panel with Marker
		1.02			AMS50-021\825-0	19-May-06	Stereo Audio Panel with Marker
		1.01			AMS50-030\825-0	19-May-06	Stereo Audio Panel with Marker
		1.01			AMS50-031\825-0	19-May-06	Stereo Audio Panel with Marker
		1.05			AMS50-100\825-0	14-Jun-06	Stereo Audio Panel with Marker
		1.05			AMS50-101\825-0	13-Jun-06	Stereo Audio Panel with Marker
		1.03			AMS50-110\825-0	14-Jun-06	Stereo Audio Panel
		1.03			AMS50-111\825-0	14-Jun-06	Stereo Audio Panel with Marker
		1.02			AMS50-120\825-0	14-Jun-06	Stereo Audio Panel with Marker
		1.02			AMS50-121\825-0	14-Jun-06	Stereo Audio Panel with Marker
		1.00			AMS50-130\825-0	11-Apr-05	Stereo Audio Panel with Marker
		1.02			AS4100-101\825-0	14-Oct-03	Stereo Audio Panel
		1.00			AMS50-131\825-0	11-Apr-05	Stereo Audio Panel with Marker
Bulletins	Service Bulletin	AMS50			603-0001	06-May-02	Amplifier failure and split ring washer replacment (MOD 2)

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Service Bulletin		AMS50-xxx			603-0002	14-Oct-03	ICS Low Volume (MOD 4)
<b>SM51</b>	<b>TS9x Series Lightweight Speaker Array</b>			<b>1.03</b>			Last hard copy rev. 1.00 (28-Mar-01)
Installation & Operation		4.00	12-Nov-03				
Amendments					1	10-Mar-09	Changes to Section 2
Maintenance		4.00	19-Jul-04				
Amendments							
Bulletins	Service Bulletin	TS92			603-0001	30-Apr-99	Speaker Chassis Corner Cracking
Information Bulletin		TS9x			609-0001	05-Dec-08	Lightweight Speaker Array
<b>SM53</b>	<b>RGT-102 Series EGPWS Control Panel</b>			<b>1.01</b>			
Installation & Operation		4.00	12-Jul-05				
Amendments							
Supplements		1.00			907-1102-222\810-0	29-May-03	EGPWS Control Panel
Maintenance		4.00	10-Jun-05				
Amendments					1	01-Dec-05	Changes to Section 6
Bulletins	Service Bulletin	907-1102-xxx			1	02-Feb-99	Improve Operation During Low DC Input (MOD 1)
<b>SM54</b>	<b>AA38-5xx, 6xx, 7xx Series Local ICS Loop</b>			<b>1.04</b>			Last hard copy rev. 1.10 (7-Apr-03)
Installation & Operation		Issue 4.11	13-Jan-10				
Amendments							
Supplements		1.10			AA38-506\810-0	22-Nov-05	Four Place Intercom
		1.00			AA38-602\810-0	27-Aug-08	Eight Place Intercom
Maintenance		Issue 4.10	09-Jun-08				
Amendments							
Supplements		1.10			AA38-506\825-0	22-Nov-05	Four Place Intercom
		1.00			AA38-602\825-0	27-Aug-08	Eight Place Intercom
Bulletins	Service Bulletin	AA38-503			603-0001	07-Jul-00	Autovox Improvements (MOD 1)
	Service Bulletin	AA38-50x, AA38-60x			603-0002	02-May-01	Phones Output Transformer Change (MOD 2)
	Service Bulletin	AA38-501/502/503 & AA38-703			603-0003	16-Jun-04	Op-amp Supply Voltage Increase (MOD 3 for 500 series)(MOD 1 for 700 series)
<b>SM55</b>	<b>PTA12-xxx POTS Telephone Adapter <i>consists of:</i></b>			<b>1.06</b>			Last hard copy rev. 1.00 (25-Jun-01)
Amendments	PTA12				A	26-May-05	Multi-Product Manual Amendment (55-1, 55-2, 55-3)
<b>SM55-1</b>	<b>PTA12-000 POTS Telephone Adapter</b>			<b>"</b>			Last hard copy rev. 1.00 (25-Jun-01)
Installation & Operation	PTA12-000	Issue 4.02	13-Apr-10				
Amendments							
Supplement		1.01			PTA12-006\810-0	22-Jul-09	POTS Telephone Adapter
		1.01			PTA12-004\810-0	20-Aug-09	POTS Telephone Adapter
		1.01			PTA12-005\810-0	13-Apr-10	POTS Telephone Adapter
Maintenance	PTA12-000	Issue 4.12	13-Apr-10				
Amendments							
Supplements		1.01			PTA12-006\825-0	22-Jul-09	POTS Telephone Adapter
		1.01			PTA12-005\825-0	13-Apr-10	POTS Telephone Adapter
		1.01			PTA12-004\825-0	20-Aug-09	POTS Telephone Adapter
Bulletins	Service Bulletin	PTA12-000			603-0001	24-Feb-05	Fuse Changed (MOD 3)
	Service Bulletin	PTA12-00x			603-0002	14-Apr-08	Installation issues (MOD 4)
	Service Bulletin	PTA12-00x			603-0003	20-Feb-09	Changed backlighting circuit (MOD 5)

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Service Bulletin		Various			603A0004	31-Mar-10	Update Labels. (MOD Various)
<b>SM55-2 PTA12-100 POTS Telephone Adapter with Display</b>				<b>"</b>			Last hard copy rev. 1.00 (25-Jun-01)
Installation & Operation	PTA12-100	Issue 4.02	13-Apr-10				
Amendments							
Supplements		1.00			PTA12-104\810-0	28-Jun-05	POTS Telephone Adapter with Display
Maintenance	PTA12-100	Issue 4.02	13-Apr-10				
Amendments							
Supplements		1.00			PTA-104\825-0	28-Jun-05	POTS Telephone Adapter with Display
Bulletins	Service Bulletin	PTA12-100			603-0001	10-Feb-05	Metal Faceplate Changes (MOD 1)
	Service Bulletin	PTA12-100			603-0002	05-Jul-07	HOLD noise levels (MOD 2)
	Service Bulletin	PTA12-100			603-0003	21-Aug-07	Phones driver runs too hot (MOD 3)
	Service Bulletin	PTA12-100			603-0004	17-Mar-08	Screws are being stripped (MOD 4)
Service Bulletin		Various			603A0004	31-Mar-10	Update Labels. (MOD Various)
<b>SM55-3 PTA12-300 POTS Telephone Adapter with NVIS Display</b>				<b>"</b>			
Installation & Operation	PTA12-300	Issue 4.02	13-Apr-10				
Amendments							
Maintenance	PTA12-300	Issue 4.02	13-Apr-10				
Amendments							
Bulletins	Service Bulletin	PTA12-300			603-0001	04-Jan-07	Annunciator luminance (MOD 2)
	Service Bulletin	PTA12-300			603-0002	19-Apr-07	Luminance Too High (MOD 3)
	Service Bulletin	PTA12-300			603-0003	05-Jul-07	HOLD noise levels (MOD 4)
	Service Bulletin	PTA12-300			603-0004	21-Aug-07	Phones driver runs too hot (MOD 5)
	Service Bulletin	PTA12-300			603-0005	17-Mar-08	Screws are being stripped (MOD 6)
	Service Bulletin	PTA12-300			603-0006	08-May-08	Corrected dimming circuit. (MOD 7)
Service Bulletin		Various			603A0004	31-Mar-10	Update Labels. (MOD Various)
<b>SM56 AA9x Series Single Channel Audio Controller</b>				<b>1.10</b>			Last hard copy rev. 1.00 (23-Oct-02)
Installation & Operation		Issue 4.01	05-Sep-08				
Amendments							
Maintenance		Issue 4.01	05-Sep-08				
Amendments							
Bulletins	Information Bulletin	AA90/AMS40			Installation	03-Mar-90	ICS Tie Line Operation
	Service Bulletin	AA9x/AMS4x			Issue 1	15-Apr-90	Series Audio Controller;Fuse
	Service Bulletin	AA9x/AMS4x			Issue 1	04-Oct-91	CrossCoupling of Radio Audio (MOD 4)
	Service Bulletin	AA90/AMS40 Series			603-0001	02-Dec-94	Audio Controller (MOD 8)
	Service Bulletin	AA9x/AMS4x			603-0001	10-Aug-95	Audio Controller MOD P)
	Service Bulletin	AA90/AMS40 Series			603-0002	10-Aug-95	Audio Controllers (MOD 8)
	Service Bulletin	AA95-857			603-0001	11-Jan-01	Defeat "ICS mute during Tx" feature (MOD A)

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	Service Bulletin	AA96-xxx			603-0001	10-Apr-01	Transformer Replacment (MOD 13)
	Service Bulletin	AA97-427			603-0001	09-May-02	Minimum ICS Level Change (MOD A)
	Information Release	AA95-xxx			Issue 1	14-Aug-90	Part Number Amendment
	Information Release	AMS42/44			Issue 1	21-Mar-91	Configuration Selections
	Information Release	AA9x/AMS4x			Issue 1	05-Apr-91	Line Fault Analysis
	Information Release	AA90/AMS40 Series			Issue 1	17-Apr-91	Multiple Audio Controller Installations
	Information Release	AA90/AMS40			Issue 1	22-Apr-91	Schematic Drawings for Controllers
	Information Release	AA95-488			Issue 2	13-Dec-91	ICS Tie Options
	Service Bulletin	AA97-402			603-0001	22-Oct-02	Minimum ICS Level Change (MOD A)
	Service Bulletin	AA95-MVH2			603-0002	10-Jan-03	Correction to Alert 1 Operation (MOD B)
	Service Bulletin	AA97-402N,			603-0003	07-Jan-03	Minimum ICS Level Change (MOD A)
	Service Bulletin	AA97-MSP			603-0004	14-Jan-03	Change Direct Audio to Type "B" (MOD A)
	Service Bulletin	AA97-HGP1			603-0005	09-Jan-03	PA KEY Addition (MOD A)
	Service Bulletin	AA97A-OV10R			603-0006	05-Nov-03	Change RX AUDIO switch to locking type (MOD A)
	Service Bulletin	AA97-426			603-0007	22-Dec-04	Connect Direct Audio 2 LO to PILOT PHN LO (MOD A)
	Service Bulletin	AA95-894			603-0008	06-Jan-06	Change ICS Call Display to Green Type (MOD A)
	Service Bulletin	AA96-400			603-0009	24-May-07	ICS CALL Switch Actuation (MOD A)
	Service Bulletin	AA97-427NB			603-0010	02-Aug-07	Light socket alignment (MOD B)
	Service Bulletin	AA97-759			603-0011	09-Aug-07	Push button cap too thick (MOD A)
	Service Bulletin	AA95-4K2			603-0012	20-Apr-09	PA features incorrectly installed (MOD B)
	Service Bulletin	AA97-987			603-0013	27-May-08	Direct Audio fix (MOD A)
	Service Bulletin	AA97-GAR2			603-0014	19-Feb-09	Jumper Correction. (MOD A)
<b>SM57 DA80 Series DigiVOX™ Digital Intercom</b>				<b>1.01</b>			Last hard copy rev. 1.00 (16-Jul-02)
Installation & Operation		4.10	13-Oct-04				
Amendments							
Maintenance		4.10	13-Oct-04				
Amendments					1	09-Mar-05	Changes to Section 6
Bulletins							
<b>SM58 AA36-100 Digital ICS Tie Line Adapter</b>				<b>1.01</b>			Last hard copy rev. 1.00 (27-Mar-03)
Installation & Operation		4.00	14-Nov-03				
Amendments					1	13-Mar-07	Changes to Section 2
Supplements		1.00			AA36-380\810-0	10-Apr-06	Digital ICS Tie Line Adapter
Maintenance		4.00	15-Jul-04				
Amendments					1	24-Mar-05	Changes to Title Section and Section 5
Supplements		1.01			AA36-380\825-0	11-Sep-06	Digital ICS Tie Line Adapter
Bulletins							
<b>SM59 AMS43 Single Audio Controller Manual</b>				<b>1.05</b>			Last hard copy rev. 1.00 (2-Jul-02)
Installation & Operation		Issue 4.01	23-Sep-08				
Amendments							
Maintenance		Issue 4.01	23-Sep-08				
Amendments							
Bulletins		Service Bulletin	AMS43 Series		603-0001	10-Jul-03	Power Supply Modification (MOD 12)
		Service Bulletin	AMS43 family, AA95-xxx,AA96-xxx, AA97-xxx		603-0002	04-Oct-06	ICS Noise (MOD 4)
		Service Bulletin	AMS43 family, AA95-xxx,AA96-xxx, AA97-xxX		603-0003	24-Jan-07	ICS Bleedthrough (MOD 15)
		Installation Bulletin			Installation	03-Mar-90	All Audio Controllers, ICS Tie Line Operation

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	Service Bulletin	AA9x/AMS4x			Issue 1	15-Apr-90	Audio Controllers; Fuse
	Service Bulletin	AMS4x/AA9x			Issue 1	04-Oct-91	Crosscoupling of Radio Audio (MOD 4)
	Service Bulletin	AA90, AMS40 Series			603-0001	02-Dec-94	Audio Controller (MOD 8)
	Service Bulletin	AA90, AMS40 Series			603-0002	10-Aug-95	Audio Controller (MOD 8)
	Service Bulletin	AA95-4K3			603-0001	17-Jun-02	Updated PAT MONITOR Feature (MOD A)
	Service Bulletin	AA9x/AMS4x			Information Release	05-Apr-91	Line Fault Analysis
	Installation Bulletin	AA90/AMS40 Series			Information Release	17-Apr-91	Multiple Audio Controller Installations
	Installation Bulletin	AA90/AMS40 Series			Information Release	22-Apr-91	Schematic Drawings for Controllers
<b>SM60 N300-001 and N300-002 Audio Controller</b>				<b>1.01</b>			
Installation & Operation		Issue 4.01	26-Sep-08				
Amendments							
Maintenance		Issue 4.01	19-Sep-08				
Amendments							
Bulletins	Service Bulletin	N300-xxx			N300/603-0001	31-Jul-02	Tantalum capacitor over-voltage failure (N300-001/003, MOD 3) N300-002/004, (MOD 2)
	Service Bulletin	N300-xxx			603-0002	29-Nov-07	Resistor on N300-11 not soldering properly during wave soldering process. (MOD 3 of MOD 4 as applicalbe)
<b>SM64 NTX403 Series Remote Mount UHF-FM Transceiver</b>				<b>1.02</b>			
Installation & Operation		4.00	19-Apr-05				
Amendments					1	07-Jan-08	Changes to Section 2
Supplements		1.00	27-Oct-06		NTX403-002/810-0		Remote Mount UHF FM Transceiver with Voice Privacy
Maintenance		4.00	01-May-06				
Amendments							
Supplements		1.01	13-Dec-06		NTX403-002/825-0		Remote Mount UHF FM Transceiver with Voice Privacy
Bulletins	Service Bulletin	NTX403-xxx			603-0001	12-May-09	Aux Receive Audio level too high. (MOD 2)
<b>SM65 N300-003 and N300-004 Audio Controller</b>				<b>1.01</b>			
Installation & Operation		Issue 4.01	26-Sep-08				
Maintenance		Issue 4.01	19-Sep-08				
Bulletins	Service Bulletin	N300-xxx			603-0001	31-Jul-02	Tantalum capacitor over-voltage failure
<b>SM67 STX100-000 Globalstar™ Satphone Transceiver</b>				<b>1.01</b>			
Installation & Operation		4.10	07-Sep-05				
Amendments					1	25-Jan-06	Changes to Section 2
Maintenance	<i>Consult Factory</i>						Install & Ops only available; Consult Factory for maintenance
Amendments							
Bulletins	Service Bulletin	STX100-000			603-0001	30-Jul-04	MTA Connector Removal (MOD 2)
	Service Bulletin	STX100-000			603-0002	09-Sep-04	STX100-000 Packet Data Services Failure (MOD 3)
<b>SM68 NPX136D Series VHF P25 Panel Mount Transceiver</b>				<b>1.06</b>			
Installation & Operation		Issue 4.02	24-Mar-10				
Amendments							
Maintenance		Issue 4.02	25-Mar-10				
Amendments							
Bulletins	Service Bulletin	NPX136D			603-0001	12-Jul-06	Software upgraded to correct Guard TX functionality
	Service Bulletin	NPX136D-xxx			603-0002	10-Jan-07	Brighten Display (MOD 1)
	Information Bulletin	NPX136D-070			609-0001	02-Jan-07	P25 VHF Panel Mount Transceiver

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	Service Bulletin	NPX136D			603-0003	14-Jun-08	Resized display filter and faceplate blank (MOD 2)
	Service Bulletin	NPX136D-xxx			603-0004	19-Feb-09	Software Upgrade to Correct Module Communication Errors (MOD 3)
	Service Bulletin	NPX136D-xxx			603-0005	28-Apr-09	Loss of Sensitivity. (MOD 4)
	Service Bulletin	Various			603A0003	24-Mar-10	Update labels. (MOD Various)
<b>SM69 AA12S Series Compact Audio Controller</b>				<b>1.03</b>			
Installation & Operation		Issue 4.01	07-Nov-08				
Amendments							
Supplements		1.00			AA12S-002\810-0	06-Apr-05	Compact Stereo Audio Controller
		1.00			AA12S-005\810-0	17-Feb-06	Compact Stereo Audio Controller
Maintenance		Issue 4.01	07-Nov-08				
Amendments							
Bulletins	Information Bulletin	AA12S-xxx			609-0001	16-Jun-04	Compact Stereo Audio Controller
<b>SM70 TS100/TS200 Series PA Speakers</b>				<b>1.02</b>			
Installation & Operation		4.00	22-Mar-05				
Amendments					1	30-Nov-06	Changes to Section 2
Maintenance		4.00	22-Mar-05				
Amendments					1	30-Nov-06	Changes to Section 6
					2	14-Oct-09	Changes to Section 6
Bulletins	Information Bulletin	TS100A, TS100RA			609-0001	31-Jul-02	External Horn, 100 Watt
	Service Bulletin	TS100WR/TS200WR			603-0001	05-Aug-08	Pop rivet length changed (MOD 1)
<b>SM71 NTA01-001 Motorola Series Radio Adapter</b>				<b>1.01</b>			
Installation & Operation		4.10	06-Feb-06				
Amendments							
Maintenance		4.10	09-Jan-06				
Amendments					1	16-May-07	Changes to Section 6
Bulletins	Service Bulletin	NTA01-001			603-0001	21-Jul-05	Metalwork modified to fit Motorola XTL - 5000™ (MOD 3)
	Service Bulletin	NTA01-001			603-0002	29-Mar-07	Mounting of U101 on the NTA01-1 Subassembly (MOD 4)
<b>SM72 MB01-001 Matching Box</b>				<b>1.01</b>			
Installation & Operation		Issue 4.01	03-Apr-09				
Amendments							
Maintenance		Issue 4.01	03-Apr-09				
Amendments							
Bulletins	Information Bulletin	MB01-001			609-0001	12-Feb-09	Optional Feature to Support Integration with the CVC-151
<b>SM73 AA30-0xx Expansion Switches</b>				<b>1.01</b>			
Installation & Operation		4.00	18-Sep-06				
Amendments							
Maintenance		4.00	18-Sep-06				
Amendments							
Bulletins	Service Bulletin	AA30-014			603-0001	15-Apr-05	Adding Sidetone Trimpot (MOD 1)
	Service Bulletin	AA30-025			603-0002	25-Jan-08	Unit does not match originl requirements (MOD A)
	Service Bulletin	AA30-013			603-0003	28-Nov-08	Rotary Switch Shaft too short (MOD 1)
<b>SM74 AA30-3xx Expansion Panel</b>				<b>1.03</b>			
Installation & Operation		4.10	16-Oct-06				

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Amendments							
Supplements		1.00			AA30-302\810-0	19-Oct-06	Expansion Panel
		1.00			AA30-303\810-0	19-Oct-06	Expansion Panel
		1.00			AA30-304\810-0	19-Oct-06	Expansion Panel
		1.00			AA30-304\810-0	16-Aug-05	Expansion Panel
		1.00			AA30-305\810-0	16-May-07	Expansion Panel
		1.00			AA30-306\810-0	29-Aug-06	Expansion Panel
		1.00			AA30-307\810-0	01-Sep-06	Expansion Panel
		1.01			AA30-308\810-0	13-Dec-07	Expansion Panel
		1.10			AA30-310\810-0	18-Feb-09	Expansion Panel
Maintenance		4.00	16-Oct-06				
Amendments					1	26-Sep-07	Changes to Section 5
Supplements		1.01			AA30-302\825-0	26-Sep-07	Expansion Panel
		1.01			AA30-303\825-0	26-Sep-07	Expansion Panel
		1.01			AA30-304\825-0	26-Sep-07	Expansion Panel
		1.01			AA30-305\825-0	26-Sep-07	Expansion Panel
		1.02			AA30-306\825-0	26-Sep-07	Expansion Panel
		1.02			AA30-307\825-0	26-Sep-07	Expansion Panel
		1.02			AA30-308\825-0	13-Dec-07	Expansion Panel
		1.00			AA30-310\825-0	18-Mar-08	Expansion Panel
Bulletins	Service Bulletin	AA30-3xx			603-0001	18-Jul-05	Adding Audio Adjustment holes in Top Cover (MOD 1)
	Service Bulletin	AA30-3xx			603-0002	15-Dec-05	Change to Input Impedance (MOD 3)
	Service Bulletin	AA30-3xx			603-0003	23-Aug-06	Change to Chassis and Cover (MOD 4)
	Service Bulletin	AA30-301			603-0004	17-Aug-09	Added adhesive to pushbuttons (MOD 5)
<b>SM75 DACS ACP53-001 Audio Control Panel</b>				<b>1.01</b>			
Installation & Operation		Issue 1.02	03-Sep-09				
Supplements		1.00			ACP53-000\810-0	05-Aug-09	DACS Audio Control Panel
		1.00			ACP53-002\810-0	19-Oct-09	DACS Audio Control Panel
		1.00			ACP53-003\810-0	17-Aug-09	DACS Audio Control Panel
		1.00			ACP53-600\810-0	04-Jan-10	DACS Audio Control Panel
Maintenance		Issue 1.00	01-Jun-09				
Supplements		1.01			ACP53-000\825-0	19-Oct-09	DACS Audio Control Panel
		1.00			ACP53-002\825-0	19-Oct-09	DACS Audio Control Panel
		1.00			ACP53-003\825-0	17-Aug-09	DACS Audio Control Panel
		1.00			ACP53-600\825-0	03-Feb-10	DACS Audio Control Panel
Bulletins	Service Bulletin	ACP53\001			603-0001	01-Aug-07	Resistor Changes. (MOD 1)
	Service Bulletin	ACP53\001			603-0002	09-Oct-07	Hardware and Software changes. (MOD 2)
	Service Bulletin	ACP53\001			603-0003	18-Dec-07	D0-160E A3J33 requirements. (MOD 3)
	Service Bulletin	ACP53\001			603-0004	11-Jan-08	Faceplate luminance. (MOD 4)
	Service Bulletin	ACP53\001			603-0005	31-Mar-08	Adjust mounting, changed TX selector knob, D0-160E A3J33 requirements. (MOD 5)
	Service Bulletin	ACP53\001			603-0006	31-Mar-08	Software updated to MOD 6
	Service Bulletin	ACP53\001			603-0007	11-Aug-08	Lightning Test Failures. (MOD 7)
	Service Bulletin	ACP53-xxx			603-0008	15-Sep-08	Product label change. Added ESD and Warranty Void Labels. (MOD 8)

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<b>SM76 AMU50-001 DACS Audio Management Unit</b>				<b>1.03</b>			
Installation & Operation		Issue 1.05	22-Jun-10				
Supplements		1.00			AMU50-003\810-0	18-Aug-09	Audio Management Unit
Maintenance		Issue 1.04	22-Jun-10				
Supplements		1.00			AMU50-003\825-0	18-Aug-09	Audio Management Unit
Bulletins	Service Bulletin	AMU50-001			603-0001	04-Oct-07	Headphone noise in emergency mode. (MOD 1)
	Service Bulletin	AMU50-001			603-0002	09-Oct-07	Pre-qual and audio problems addressed. (MOD 2)
	Service Bulletin	AMU50-001			603-0003	05-Nov-07	TSO requirements met. (MOD 3)
	Service Bulletin	AMU50-001			603-0004	15-Nov-07	TSO requirements met. Software updated. (MOD 3)
	Service Bulletin	AMU50-001			603-0005	28-Nov-07	DSP and AAG software updated. (MOD 4)
	Service Bulletin	AMU50-001			603-0006	12-Dec-07	AAG software updated. (MOD 6)
	Service Bulletin	AMU50-001			603-0007	12-Dec-07	DO-160E Sec. 22 Lightning Cat. A3J33 requirements. (MOD 5)
	Service Bulletin	AMU50-001			603-0008	26-Mar-08	Revised AAG, DSP software and hardware changes. (MOD 7)
	Service Bulletin	AMU50-001			603-0009	14-May-08	Revised AAG, DSP software and hardware changes. (MOD 8)
	Service Bulletin	AMU50-001			603-0010	10-Jun-08	Revised DSP Software. (MOD 9)
	Service Bulletin	AMU50-001			603-0011	12-Jun-08	Revised AAG Software. (MOD 10)
	Service Bulletin	AMU50-001			603-0012	16-Sep-08	Product label change. Added ESD and Warranty Void labels. Reverted to a previous version of AAG software. (MOD 11)
	Service Bulletin	AMU50-001			603-0013	18-Nov-09	DSP and AAG software changes. (MOD 12)
	Service Bulletin	AMU50-001			603-0014	04-Nov-09	Screws on AMU50-2 changed to Hex Socket type. (MOD 13)
	Service Bulletin	AMU50-001			603-0015	04-Nov-09	Connector and Heatsink brackets modified to prevent PCB deflection. (MOD 14)
	Service Bulletin	AMU50-001			603-0016	21-Apr-10	Power supply noise exhibited on 5 Ohm microphone inputs. (MOD 16)
	Information Bulletin	DACS			609-0001	07-Dec-09	
	Service Bulletin	AMU50-001			603-0017	03-May-10	Revised AAG Software (MOD 15)
	Information Bulletin	DACS			609-0002	13-Aug-10	
<b>SM77 RM01-001 DACS Remote Memory</b>				<b>1.02</b>			
Installation & Operation		Issue 1.01	03-Sep-09				
Supplements		1.00			RM01-003\810-0	18-Aug-09	Remote Memory
<b>SM78 PIA01-001 Passenger Intercom Amplifier</b>				<b>1.01</b>			
Installation & Operation		Issue 1.02	03-Aug-10				
Maintenance		Issue 1.01	04-Aug-10				
<b>SM79 300A Dual Audio Control Panel</b>				<b>n/a</b>			Manual in process
<b>SM81 ACP51-100 DACS Audio Control Panel</b>				<b>1.02</b>			
Installation & Operation		Issue 1.01	14-Apr-10				
Supplements		1.00			ACP51-101\810-0	29-Jul-09	DACS Audio Control Panel
		1.00			ACP51-102\810-0	14-Aug-09	DACS Audio Control Panel
Maintenance		Issue 1.02	14-Apr-10				
Supplements		1.00			ACP51-101\825-0	05-Aug-09	DACS Audio Control Panel
		1.00			ACP51-102\825-0	14-Aug-08	DACS Audio Control Panel



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<b>SM83</b>	<b>ERU50-001</b>			<b>1.01</b>			
Installation & Operation		Issue 1.00	22-Oct-09				
Maintenance		Issue 1.00	09-Nov-09				
<b>SM84</b>	<b>AA12S-600 Compact Stereo Audio Controller</b>			<b>1.02</b>			
Installation & Operation		Issue 1.10	10-May-10				
Maintenance		Issue 1.01	10-May-10				
Bulletins	Service Bulletin	AA12S-600			603-0001	31-Mar-10	Indicators Luminance too high. (MOD 1)
	Service Bulletin	AA12S-600			603-0002	31-Mar-10	Minor issues found during Qual Testing. (MOD 2)
	Service Bulletin	Various			603A0002	30-Mar-10	Update Labels. (MOD Various)
<b>SM85</b>	<b>LD12-002 LED Dimmer</b>			<b>1.01</b>			
Installation & Operation		Issue 1.00	16-Mar-10				
Maintenance		Issue 1.00	16-Mar-10				
<b>SM95-766</b>	<b>Single Channel Audio Controller Panel</b>			<b>1.02</b>			
Installation & Operation		2.00	06-Dec-04				
Amendments							
Maintenance		2.00	28-Apr-05				
Amendments					1	14-May-08	Changes to Section 6
Bulletins	Service Bulletin	AA95-766			603-0001	10-Dec-03	Phones output failing (MOD 2)
<b>SM210</b>	<b>210 Voice Activated Switch</b>			<b>n/a</b>			
Installation & Operation		2.02	19-Mar-08				
<b>SM211</b>	<b>211 Voice Activated Switch</b>			<b>1.01</b>			
Installation & Operation		2.00	26-May-08				
Amendments							
Maintenance		2.00	26-May-08				
Amendments							
Bulletins							
<b>SM240</b>	<b>240 Passenger Speaker Amplifier</b>			<b>1.05</b>			
Installation & Operation		Issue 4.12	26-May-10				
Amendments							
Maintenance		Issue 4.12	26-May-10				
Amendments							
Bulletins	Service Bulletin	Various			603A-0005	27-May-10	Update labels (MOD Various)
<b>SM245</b>	<b>245 Speaker Amplifier</b>			<b>1.02</b>			
Installation & Operation		4.10	23-Jun-05				
Amendments					1	19-Jul-06	Changes to Section 2
Maintenance		4.10	03-Jun-05				
Amendments					1	19-Jul-06	Changes to Section 6
					2	02-Jan-07	Changes to Section 6
Bulletins							
<b>SM246</b>	<b>246 Isolation Amplifier</b>			<b>1.02</b>			
Installation & Operation		Issue 2.00	29-May-08				

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Maintenance		Issue 2.01	10-Jun-09				
<b>SM247 247 Audio Mixing Amplifier</b>				<b>1.01</b>			
Installation & Operation		Issue 2.00	31-Jul-09				
Amendments					1	29-Jun-05	Add new Title Page
Maintenance		Issue 2.00	06-Jul-09				
Amendments					1	23-Mar-05	
					2	05-May-05	Add new Title Page
					3	29-Jun-05	Changes to Section 1
					4	26-Jul-05	Changes to Section 1
					5	14-Aug-06	Pages b, d
					6	19-Dec-06	Pages b, d
Bulletins							
<b>SM250 250 Passenger Speaker Amplifier</b>				<b>1.02</b>			
Installation & Operation		-	15-Sep-04				
Amendments					1	15-Sep-04	
					2	21-Oct-04	
<b>SM251 251 Passenger Speaker Amplifier</b>				<b>1.05</b>			
Installation & Operation		Issue 2.00	28-Oct-09				
Supplements		1.00			251-006\810-0	13-May-09	Passenger Speaker Amplifier
Maintenance		Issue 2.00	28-Oct-09				
Supplements		1.00			251-006\825-0	15-May-09	Passenger Speaker Amplifier
Bulletins	Service Bulletin				603-0001	07-Jan-05	Replaced by 603-0003
	Service Bulletin				603-0002	03-Feb-05	POT Level Adjustments (MOD C)
	Service Bulletin				603-0003	02-Feb-05	Conformal Coat Issues
	Service Bulletin				603-0004	09-Mar-05	Briefer Gain Increased (MOD D)
	Service Bulletin				603-0005	04-Oct-05	Passenger Speaker Amplifier (MOD E)
<b>SM270 270 Universal Interface Amplifier</b>				<b>1.02</b>			
Installation & Operation		4.10	12-Dec-06				
Amendments							
Supplements		1.10			270-001\810-0	15-Aug-05	Universal Interface Amplifier
		1.00			270-002\810-0	15-Nov-06	Universal Interface Amplifier
Maintenance		4.10	12-Dec-06				
Amendments					1	30-Jul-08	Changes to Section 6
Supplements		1.10			270-001\825-0	15-Aug-05	Universal Interface Amplifier
		1.10			270-002\825-0	23-Feb-09	Universal Interface Amplifier
Bulletins	Information Bulletin	270-001			609-0001	12-Dec-05	Universal Interface Amplifier
	Service Bulletin	270			603-0001	04-Jul-06	PCB Amplifier Hardware (MOD A)
	Service Bulletin	270-xxx			603-0002	24-Jul-08	8 Ohm output shorting to chassis (MOD B)
<b>SM802 802-009 Switch Panel</b>				<b>1.08</b>			
Installation & Operation		Issue 4.12	24-Jun-10				
Amendments							
Supplements		1.40			802-002\810-0	28-Jun-10	Switch Panel
		1.20			802-003\810-0	28-Jun-10	Switch Panel

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		1.20			802-005\810-0	25-Jun-10	Switch Panel
		1.30			802-006\810-0	28-Jun-10	Switch Panel
		1.20			802-007\810-0	28-Jun-10	Switch Panel
		1.20			802-008\810-0	28-Jul-10	Switch Panel
Maintenance		Issue 4.14	24-Jun-10				
Amendments							
Supplements		1.40			802-002\825-0	28-Jul-10	Switch Panel
		1.50			802-003\825-0	28-Jul-10	Switch Panel
		1.50			802-005\825-0	28-Jul-10	Switch Panel
		1.60			802-006\825-0	25-Jun-10	Switch Panel
		1.50			802-007\825-0	28-Jul-10	Switch Panel
		1.50			802-008\825-0	28-Jul-10	Switch Panel
Bulletins	Service Bulletin	802-003/005			603-0001	04-Dec-06	Halo Lighting (MOD C)
	Service Bulletin	802-003/005/006/007/008/009			603-0002	13-Feb-07	SW1 Solder Terminals Protection (MOD G)
	Service Bulletin	802-006			603-0003	18-Mar-08	Light traps added (MOD H)
	Service Bulletin	Various			603A0006	17-Jun-10	Update Labels. (MOD Various)
<b>SM806 806 and 807 Audio Selector Panels</b>				<b>1.05</b>			
Installation & Operation		Issue 4.01	24-Jul-08				
Amendments							
Supplements		1.10			806-001, 807-001\810-0	13-Dec-05	
		1.12			806-002, 807-002\810-0	15-Oct-08	Audio Selector Panel
		1.20			806-004, 807-004\810-0	15-Dec-05	Audio Selector Panel
Maintenance		Issue 4.03	22-Feb-10				
Amendments							
Supplements		1.20			806-001, 807-001\825-0	04-Jan-07	Audio Selector Panel
		1.20			806-002, 807-002\825-0	04-Jan-07	Audio Selector Panel
		1.20			806-004, 807-004\825-0	04-Jan-07	Audio Selector Panel
Bulletins	Service Bulletin	806/807-xxx			603-0001	09-Dec-05	Add a Diode to the TX PTT line (MOD 1)
	Service Bulletin	806/807-xxx			603-0002	06-Nov-06	Obsolete part Replacement (MOD 2)
	Service Bulletin	806/807-xxx			603-0003	19-Oct-07	Obsolete part Replacement (MOD 2)(Supersedes 603-0002)
	Service Bulletin	806-000/002			603-0004	29-Apr-08	Relocated ADF text on model 806 panel (MOD A)
<b>SM3110 3110 Audio Control Panel</b>				<b>1.07</b>			
Installation & Operation		Issue 4.01	21-Jun-10				
Amendments							
Supplements		1.01			3110-000\810-0	27-Jan-09	Audio Control Panel
		1.00			3110-001\810-0	10-Jan-07	Audio Control Panel
		1.01			3110-002\810-0	27-Jan-09	Audio Control Panel
		1.01			3110-003\810-0	27-Jan-09	Audio Control Panel
		1.00			3110-004\810-0	28-Nov-06	Audio Control Panel
		1.00			3110-005\810-0	28-Nov-06	Audio Control Panel
Maintenance		Issue 4.01	21-Jun-10				
Amendments					1	27-Feb-07	Changes to Sections 5 and 6
					2	13-Jun-07	Changes to Section 6

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					3	26-Jul-07	Changes to Section 6
					4	31-Mar-10	Changes to Section 5
Supplements		1.11			3110-000\825-0	13-Jan-09	Audio Control Panel
		1.10			3110-001\825-0	27-Feb-07	Audio Control Panel
		1.11			3110-002\825-0	13-Jan-09	Audio Control Panel
		1.11			3110-003\825-0	13-Jan-09	Audio Control Panel
		1.10			3110-004\825-0	27-Feb-07	Audio Control Panel
		1.10			3110-005\825-0	27-Feb-07	Audio Control Panel
Bulletins	Service Bulletin	3110			603-0001	10-Feb-06	Loose Knobs (MOD 1)
	Service Bulletin	3110-100			603-0002	23-Feb-07	V/BOTH/ID Filter Change (MOD 2)
	Information Bulletin	3110-xxx			609-0001	24-May-07	Audio Control Panel
	Service Bulletin	3110-100			603-0003	23-Jul-07	Correct Clock pulse (MOD 3)