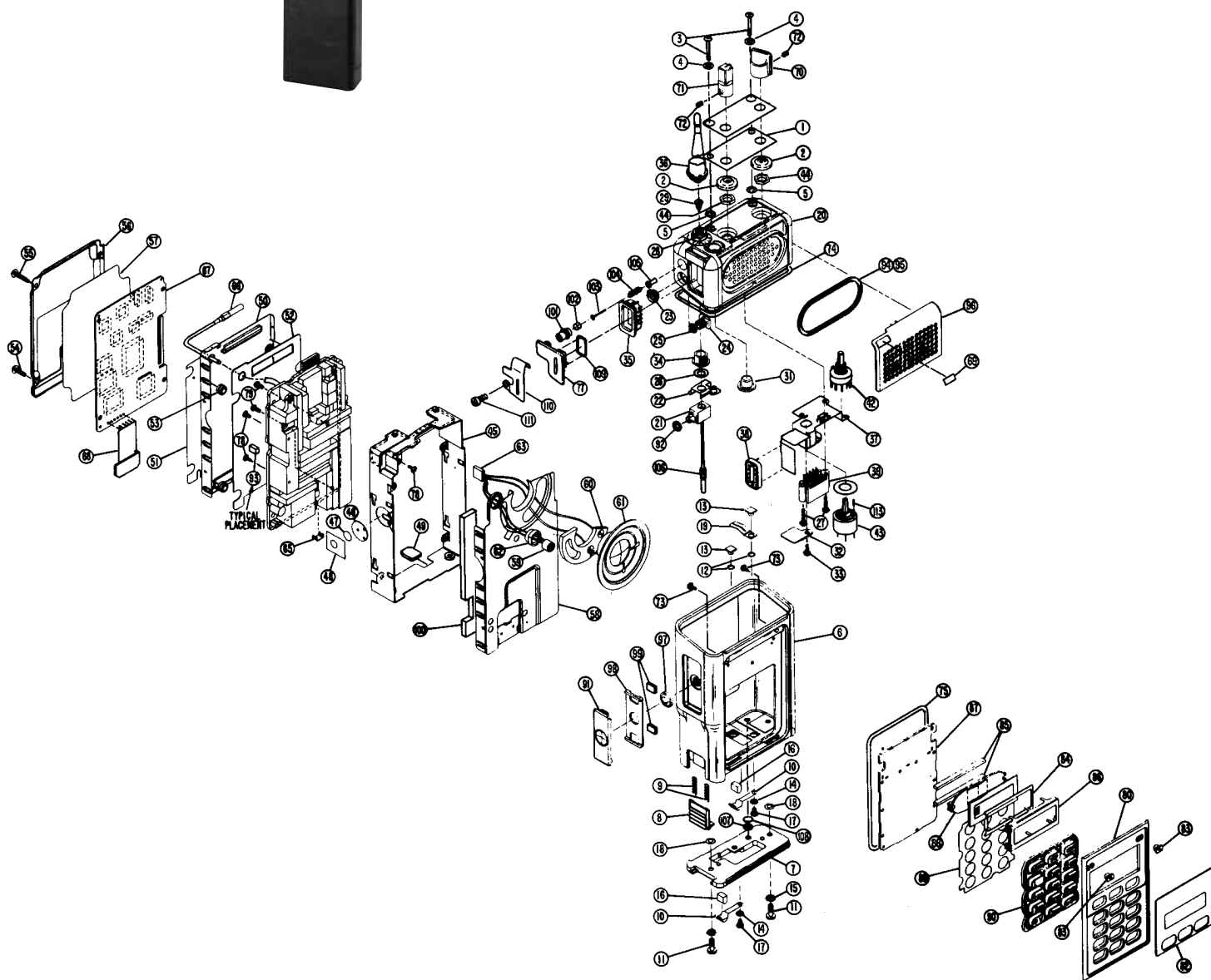


STX Series



Parts List



Replacement parts may no longer be available

STX Series



Parts List

REF. NO.	PART NO.	DESCRIPTION
1	----	Plate, Escutcheon
2	3205933J02	Seal, Switch (some models require only one)
3	0305941K04	Screw, Control Top, #4-40 HEXBTN
4	----	Lockwasher, #4
5	3205082E11	"O" Ring
6	0105957K69	Lower Housing Kit (includes items 97 and 98)
7	6405473N01	Baseplate
8	5505727N01	Latch, Battery
9	4105944K01	Spring, Latch
10	3905421C13	Contact, Battery
11	0305941K02	Screw, Baseplate, #4-40
12	3205082E24	"O" Ring
13	4605945K03	Bushing, B+
14	0400002625	Lockwasher, #2
16	0705830C02	Support, Contact
17	0300138651	Screw, #2-56 x 1/8" PHLPAN
18	3205082E11	"O" Ring
19	----	Contact, B+
20	----	Upper Housing Kit w/o Rotary Switch (includes items 34 and 94-96)
	----	Upper Housing Kit w/ Rotary Switch (includes items 34 and 94-96)
21	0105952M69	RF Switch; Kit (includes items 22 and 106)
22	0405483P01	Washer, RF Jack
23	0205578M01	Nut, Stud
24	4305577M01	Stud
25	3205472P07	"O" Ring, Stud
26	3205639F03	Gasket
27	0300140383	Screw, #2-56 x 9/16" PHLPAN
28	0205588M01	Nut, Antenna Seal
29	0905771F02	Pin, Coaxial
31	3905698N01	Switch, Control
32	6405187P01	Plate, Control Switch
33	0300136782	Screw, #2-56 x 3/16" PHLPAN
34	----	Bushing, Antenna (not field replaceable; Order item 20)
35	1505673C03	Connector, Side (J601)
36	NAF4000B	Antenna, 800MHz Dipole
37	----	Control-Flex Kit w/o Rotary Switch (includes items 38-42)
38	0905675C01	Socket
39	0905463Q01	Connector, 20-Pin (J1)
42	1805799P01	Potentiometer, (R601, Volume, On/Off)
43	RPX4689A	Switch, Subfleet (Optional)
44	0200140458	Nut, Switch
45	----	Frame Kit (includes items 46-49) – not available

REF. NO.	PART NO.	DESCRIPTION
46	----	PCB, PTT (not field replaceable; order item 45)
47	----	Contact, Snap-Dome (not field replaceable; order item 45)
48	----	Seal, Dome (not field replaceable; order item 45)
49	----	Insulator, B+
51	----	Insulator, Logic – not available
52	----	Insulator, RF – not available
53	----	Standoff (not field replaceable; order item 50)
54	----	Screw, #2-56 PHLPAN
55	0305731J06	Screw, #2-56 PHLPAN
56	NTN4519A	Rear Shield Kit (includes item 57)
57	----	Insulator, Rear – not available
58	2605723N01 NTN5646B	Shield, Front Front Shield Kit (includes items 59-63 and 100)
59	5005227J02	Microphone (see Transceiver Board Parts List), (MK501)
60	1105477N01	Adhesive, Speaker
61	5005269T03	Speaker, Transducer, 8 ohms, LS501
62	----	Boot, Microphone
63	0905212P02	Connector, Speaker/Mic. (J2)
65	4205474P01	Clip, B+
66	0905006P01	Plug, Coax, RF
68	8405758N03	Interconnect, Display
69	3305206P01 3305206P03	Label, Emergency Label, Volume Set
70	3605295P01	Knob, Volume Switch
71	3605295P02	Knob, Subfleet Switch (used only on Rotary Switch Models)
72	0305480E02	Screw, Set. #4-40 x 3/32" (only one used on Non-Rotary Switch Models)
73	----	Screw, Front Cover
74	3205082E66	"O" Ring, Control-Top
75	3205082E67	"O" Ring, Front Cover
77	3205606P01	Seal, Side
78	0300136783	Screw, #2-56 x 5/16" PHLPAN
79	0300139444	Screw, #2-56 x 5/32" PHLPAN
80	RPX1020A	Plain Front Cover Kit (includes items 82 and 83)
	RPX1021A	3-Key Front Cover Kit (includes items 81-90)
	RPX1023A	12-Key Front Cover Kit (includes items 82, 83, 87, 89 and 90)
82	1305954N01 1305954N03	Escutcheon, Front Cover, 3-Key Escutcheon, Front Cover, 15-Key
83	----	Nut, Front Cover

REF. NO.	PART NO.	DESCRIPTION
84	----	Insulator, LCD (not field replaceable; order item 80 or 81)
85	----	Elastomer, LCD (not field replaceable; order item 80 or 81)
86	----	Bezel, LCD (not field replaceable; order item 80 or 81)
87	----	Display Board Kit w/ LCD/LED (not field replaceable; order item 80)
88	----	Light Pipe, LCD (not field replaceable; order item 80)
89	----	Shield, Static (not field replaceable; order item 80)
90	----	Keypad, 3-Key (not field replaceable; order item 80)
		Keypad, 15-Key (not field replaceable; order item 80)
		Keypad, 12-Key (not field replaceable; order item 80)
91	4505369Q01	Lever, PTT
92	3205853H02	Gasket
93	----	Pad, RF
94	----	Retainer, Membrane (not field replaceable; order item 20)
95	----	Membrane (not field replaceable; order item 20)
96	----	Grille, Upper Housing (not field replaceable; order item 20)
97	----	Actuator, PTT (not field replaceable; order item 6)
98	----	Retainer, PTT (not field replaceable; order item 6)
99	1105668K35	Pad, Urethane
100	----	Insulator, Front – not available
101	----	Nut, Retainer
102	1405664J01	Insulator, Plunger
103	4405829J01	Plunger, RF Switch
104	4105836J01	Spring, RF Switch
105	1405787C01	Insulator, Spring
106	0905006P02	Socket, Coax, RF (P4)
107	3205082E25	"O" Ring, Port
108	----	Seal, Port
109	3205473P04	"O" Ring, Side Seal
110	NTN5023A	Retainer, Side Seal
		Screw, Captive 6-32 x .190
113	----	Pin, Stop

Cancelled Product STX Series:
Aftermarket support criteria has
been met for spare parts. Items
may no longer be available.



STX Series



Portable Accessories

Chargers



NLN8858A

Single Unit Chargers

They are capable of charging batteries while they are on or off of the radio. When the battery is fully charged, a visual indication is given (if it is a rapid charger) and the

charger automatically reverts to a trickle charge rate. Actual charging time varies directly with battery capacity

NLN8858A Rapid Charge, 117 Volt

Adapter Kit

NTN4529A Adapter Kit, for 6 Unit Charger (for wall or rack mount applications)

Battery Maintenance System^{plus} (BMS^{plus})

Using interchangeable battery adapters (sold separately), the BMS^{plus} is capable of charging and discharging, analyzing, conditioning and cycle test on batteries; tracking battery voltage and capacity (mAh).

The BMS^{plus} offers a 3 year warranty. Its easy-to-use design supports hundreds of 2-way, cellular, and camcorder batteries with printer port* (Serial-RS-232C port – uses female 9-pin to male 25-pin cable).

WPLN4079BR Six-Station, 110V AC, 50/60 Hz

WPLN4080BR Six-Station, 230V AC, 50/60 Hz



WPLN4079BR

BMX^{plus} Adapter

TDN9451A Standard Adapter, STX

Battery Optimizing System II (BOS II)



WPLN4124AR

No other battery analyzer matches the speed, accuracy, and versatility of the Battery Optimizing System II. Ideal for large fleet, public safety, and all other users who rely on their battery performance. Now with increased power, more sophisticated programming options, and easier to use navigation paths, optimizing your batteries was never easier. Key features include:

- Support for NiCd, NiMH, Li-ion, and SLA batteries
- 100 watt power supply and programmable from 100 mAh to 4 amps per station
- Interchangeable adapters accommodate all major brands
- Includes a variety of user programs and allows for customizable programming
- Proprietary recondition cycle restores NiCd and NiMH batteries
- Increased processing power and testing resolution – including a three minute Quicktest that measures the batteries State of Health (SoH)
- Printer output for reports and labels
- Three year warranty

WPLN4124AR BOS II, Four-Station, 100-240V AC (US line cord)

WPLN4125AR BOS II, Four-Station, 100-240V AC (UK/Euro line cords)

BOS II Adapter

RL-71223 Standard Adapter

* Compatible with the STAR Micronics SP200 series printers, available from any STAR Micronics distributor, and other printers with STAR emulation.

STX Series



Portable Accessories

Motorola Conditioning Charger (MCC)

The MCC will help extend battery life and enhance battery operation. It will safely condition and charge your specified Nickel Cadmium (NiCd) and Nickel Metal Hydride (NiMH) batteries in approximately one to two hours.



WPPN4002BR

WPPN4002BR 110V AC Base Charge Unit only

WPPN4006AR 220V AC Base Charge Unit only

WPPN4000BR 7 Volt Adapter only

WPLN4098AR MCC Kit, 110V AC; includes both base unit and 7V adapter

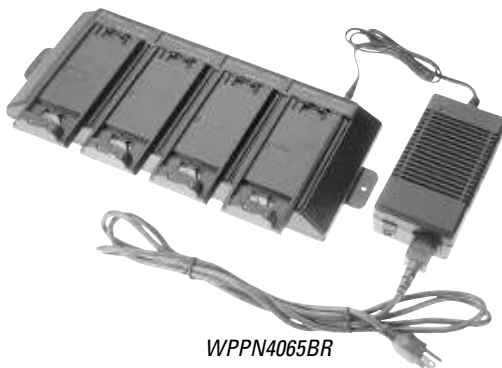
WPLN4099BR MCC Kit, 220V AC; includes both base unit and 7V adapter

3080384G15 Cigarette Lighter Adapter Cord

RLN4814A Mounting Bracket for Motorola single unit conditioning chargers

MCC Multi-Unit Conditioning Charger

WPPN4065BR Four-station Base, 110V. (Order adapter plates separately)



WPPN4065BR

Carrying Accessories

Carrying Cases

A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in sizes designed to fit your radio & battery and permit audio to be heard clearly.



NTN4968A

Swivel Carry Cases

NTN4968A Leather Carry Case and Swivel Belt Loop Holder, For Medium Capacity Battery (Order Velcro T-strap separately)

NTN4969A Leather Carry Case and Swivel Belt Loop Holder, For High Capacity Battery (Order Velcro T-strap separately)



NTN4350A

Carry Holder

NTN4350A Plastic Carry Holder with Belt Loop, for all models



STX Series



Portable Accessories

Carrying Accessories



T-Strap

4205713P02 Nylon, Velcro,
For All Models

4205713P02

Full Cover

NTN4971A Full Cover, Velcro,
For All Models



NTN4971A

Belt

4200865599 1.75" Wide Leather
Belt, For All Models



4200865599



NTN5243A

Carrying Strap

NTN5243A Carrying Strap,
For All Models

Belt Loop

4205857B01 Belt Loop, for Swivel Case, 2"

4282421J06 Swivel Belt Loop, 2.5"

Carrying Accessories



NMN6176A

Remote Speaker Microphone

Remote speaker microphones allow the user to talk and listen without removing the radio from its carry case or carry holder. It has a top-ported speaker for improved audio reception and audio input.

NMN6176A Remote Speaker Microphone with Coil Cord, Clip Back, 2.5 mm Earpiece Jack and Earpiece (NTN4742A)

NMN6177A Remote Speaker Microphone with Coil Cord and Clip Back

Public Safety Remote Speaker Microphone

This microphone is very similar to the remote speaker microphones, as it is weatherized, and has the top-ported speaker for better audio. There is an antenna for improved coverage.

NMN6175A Public Safety Remote Speaker Microphone, with Clip Back, 800-900MHz Antenna Included

8505241U06 Antenna



NMN6175A

Epaulet Strap

Black leather epaulet straps secure remote speaker microphone to epaulet of shirts or jackets and attach around cord.

RLN4294A Epaulet Strap, Velcro

RLN4295A Epaulet Strap, Small Clip

NTN4664A Three wire surveillance accessory with earpiece, microphone, and push-to-talk as separate pieces.

NTN4742A Earpiece without Volume Control



RLN4294A



RLN4295A

STX Series



Portable Accessories

Audio Accessories

Ear Microphone System

This compact unit picks up the voice through bone vibrations in the ear canal. Ideal for use in high noise environments. Available in PTT or Voice-activated (VOX) capabilities for total hands free communications. Order Interface Module separately.



BDN6677A

Ear Microphones

BDN6677A Ear Microphone for Standard Noise Levels (up to 95 dB), Black

BDN6678A Ear Microphone for Standard Noise Levels (up to 95 dB), Beige

BDN6641A Ear Microphone for High Noise Levels (up to 105 dB), Grey



BDN6641A
Shown with
interface module

Interface Modules

BDN6644B Push-To-Talk Interface Module

Ear Microphone Optional Accessories

0180300E25 Earguard with Adjustable Loop

0180358B38

Remote Push-To-Talk Ring Switch

0180358B32 Earholder, Black, Size Small

0180358B33 Earholder, Black, Size Medium



0180358B33

0180358B34 Earholder, Black, Size Large

0180358B35 Earholder, Clear, Size Small

0180358B36 Earholder, Clear, Size Medium

0180358B37 Earholder, Clear, Size Large



0180358B38

Audio Accessories

Ear Microphone Accessories (cont'd)

4280369E44 Replaceable Belt Clip with Screws

5080358B28 Eartips, Black, Size Medium (10 per pack)

5080358B29 Eartips, Black, Size Large (10 per pack)

5080358B30 Eartips, Beige, Size Medium (10 per pack)

5080358B31 Eartips, Beige, Size Large (10 per pack)

Ear Mics

Single unit microphone and speaker worn in the ear. Eliminates the need for handheld microphones or conventional headsets. Compact, rugged design allows use under hearing protectors and protective clothing. Order cable separately.



RMN4001B

RMN4001B Ear Mic

0180359A42 Interface Cable for STX

0180359A51 Optional PTT Ring Switch for RMN4001A Only

0180356B97 Optional PTT Ring Switch for RMN4001B Only



0180359A51



STX Series



Portable Accessories

Audio Accessories

HMN1015A Remote Microphone

TAF6041A

806-866MHz Roof Top Antenna

HMN1015A



Headsets

All headset accessories include adapter cables and can be plugged directly into radio. No additional equipment is required.

Low to moderate noise level (less than 100 dB) lightweight headset with Electret condenser microphone and single speaker.

NOTE: Cannot be worn with headgear.

BDN6350A In-line push-to-talk switch

BDN6356A Body/foot switch that can be belt mounted

BDN6358A In-line push-to-talk switch

High noise level headset (up to 115 dB) with noise cancelling microphone and dual speaker. *NOTE: for use with respirator or face mask kit.*

BDN6314A Body/foot switch that can be belt mounted

Audio Accessories

High noise level headset (up to 125 dB) with noise-cancelling microphone and push-to-talk switch located on earcup. Vox module contained within headset on voice activated units. Factory Mutual Approved. *NOTE: Can be worn with or without hardhat or fire helmet.*

BDN6645A Push-To-Talk Headset with Boom Microphone, Requires Adapter Cable.

BDN6635B Voice-Activated Headset with Boom Microphone, Requires Adapter Cable, Includes 110V Charger



BDN6645A
(Shown with adapter cable BDN6638A)



BDN6636B
(Shown with adapter cable BDN6638A)

BDN6636B Voice-Activated Headset with Throat Microphone, Requires Adapter Cable, Includes 110V Charger

0180357B05 Spare VOX Headset Charger 110V

BDN6638A Adapter Cable for BDN6635, BDN6636 and BDN6645

6881126E79 Instruction Manual for BDN6645A

6881126E78 Instruction Manual for BDN6635 and BDN6636 Headsets

STX Series



Portable Accessories, Batteries

Audio Accessories

Helmet Kits



BDN6275A

The following DO NOT include headgear.
NOTE: All helmet and face mask kits require a radio cable assembly (order separately).

Industrial/Police helmet kits for Bullard (Industrial) headgear with military noise cancelling microphone.

BDN6275A Single Speaker

Bell BT400 (Police) full coverage headgear with military noise-cancelling microphone (cable assembly required, order separately)

BDN6362A Single Speaker (Police)

BDN6363A Dual Speaker (Police)

Cable Assemblies

NOTE: All helmet kits require one of the following cable assemblies:

BDN6315A Cable assembly for Police Radio helmet kit with transmit switch, volume control, microphone electronics and a push-to-talk jack built into a belt mounted control box

BDN6292A Cable assembly for Police Radio helmet kit with handlebar push-to-talk switch for belt mounted control box (only applies to BDN6315A)

Portable Batteries

Nickel-Cadmium Premium

Part Number: **NTN4326A**

Volts: 7.5

Avg. mAh: 1300

Height: 2-7/16"

Intrinsically Safe: No



NTN4326A

Part Number: **NTN4327C**

Volts: 7.5

Avg. mAh: 1800

Height: 3-11/16"

Intrinsically Safe: No



NTN4327C

Part Number: **NTN4500A**

Volts: 7.5

Avg. mAh: 1800

Height: 3-11/16"

Intrinsically Safe: Yes



NTN4500A

Part Number: **NTN4534A**

Volts: 7.5

Avg. mAh: 1300

Height: 2-7/16"

Intrinsically Safe: Yes



NTN4534A



STX Series

Antennas, Tools, Service Aids

Portable Antennas

Dipole Antennas

Dipole molded antennas are injection molded in lasting polyurethane. The wide skirt at the bottom of the connector protects against damaging environmental elements. The dipole antenna is ideal when strong and solid signal clarity is demanded.

NAF4000B

Dipole, 806-869MHz, 8"

NAF4000B



Flexible Whip Antenna

Flexible Whip antennas have a one-piece finish and steel core for optimal radiation characteristics. Provides more comfort when radio is worn on the belt.

8505241U03

Flexible Whip, 806-870MHz, 7"

Stubby Antenna

This stubby quarterwave antenna is ideal when radio is worn on the belt because the short antenna is non-obtrusive.

*8505241U06

Stubby, 806-941MHz, 4"



8505241U06

Alignment Tools

Tuning Tools

6605106N01 Tuning Tool, Adjusts Squelch Threshold

6605147J01 Tuning Tool, for Potentiometers, Local Oscillator Coil, Quad Detector



6605106N01

Service Aids

Battery Block Adapter

Transceiver can be connected to the battery eliminator with this adapter, so it remains functional when out of the radio.

RTL4206A Battery Block Adapter



RTL4206A

**8505241U06 is a broad band antenna that operates in the 800/900MHz band*

STX Series

Service Aids, Manuals

Service Aids

RF Adapter Cable

Control the radio locally while taking transmitter measurements by attaching this adapter to the universal side connector.

RTK4087A RF Cable Adapter



RTK4087A

Radio Test Cable

Used with RTX4005 Portable Radio Test Set for transmitter, receiver alignment and performance checks.

RTK4006A Test Cable

SMA to BNC Adapter

Make transmitter measurements while the portable is connected to the portable test set. The adapter connects the antenna jack.

5880384G68 RF Adapter

Manuals

STX Series

6881040C25 Models H25/35TJB5170AN, H25/35TJC5170AN, H25/35STC5170AN, H25/35STD5170AN, H25/35STE5170AN Service Manual

6881041C65 Model N1352A Instruction Manual

6881069C65 Models H25STC/D/E, H25TJB/C, H35STC/D/E, H35TJB/C Theory/Maintenance Manual

6881049C90 SMARTNET Operating Instructions

STX Converta Com

6881041C65 Service Operating Manual

0180305J46 Ear Microphone System and Temple Transducer CD-ROM