

PUBLICATION INDEX

MASTR® II STATIONS

COMBINATION NOMENCLATURE

Digit 1	Digit 2	Digit 3	Digit 4	Digit 5	Digit 6	Digit 7	Digit 8 & 9		Digit 10
Mechanical Package	Duty Cycle	RF Power Output	Channel Spacing	Control	Number of Frequency	Options	Frequency Range MHz		Oscillator Stability
D 30-inch Desk Mate	I Intermittent Duty	4 8-16 Watts	4 20 kHz	E Extended Local	A 1 TX 1 RX	D Duplex	12 25-30	13 30-36	A 5 PPM
S 44-inch Desk Mate	C Continuous Duty	5 16-38 Watts	5 25 kHz	J Local/ Tone Remote	B 2 TX 1 RX	G CG & UHS	23 36-42	33 42-50	B 2 PPM
P Pole Mount		6 38-66 Watts	6 30 kHz	K Local DC Remote	C 2 TX 2 RX	L CG/Duplex	56 138-150.5	44 66-78	C PLL 5 PPM
V Floor Mount		7 66-128 Watts		N Local/ Repeat	D 1 TX 2 RX	N Noise Blanker	77 406-420	45 77-88	D PLL 2 PPM
		8 128-256 Watts		R DC Remote	E 3 Freq. TX 3 Freq. RX	P UHS	78 420-450	66 150.5-174	
		9 256 Watts Up		T Tone Remote	F 4 Freq. TX 4 Freq. RX	S Standard	89 470-494	88 450-470	
		S 128-256 Watts Solid State		U DC Remote/ Repeat	R 3 Freq. TX 1 Freq. RX	U Channel Guard		91 494-512	
		T 256-up Watts Solid State		V Tone Remote/ Repeat	S 4 Freq. TX 1 Freq. RX	W CG & NB		96 800 MHz (see PC17)	
				Y Repeat		H DCG & UHS			
						M DCG/ Duplex			
						V DCG			
						Y DCG & NB			

PRODUCT CODE 67
MASTR® II STATIONS

INSTALLATION/MAINTENANCE MANUAL
BINDER

COMBINATION MANUAL (BLACK)

DIGIT 2	DIGIT 3
I	4,5,6,7
C	4,5,6,7
I,C	4,5,6,7
I,C	4,5,6,7
C	4,5,6,7
C	4,5,6,7
C	4,5,6,7
C	8,9
C	8,9
C	8,9
C	8,9
C	8,9
C	8,9
C	S
C	S
C	S
C	S
C	S
C	S

INSTALLATION MANUAL

DIGIT 3
4-9
S

TRANSMITTER MANUAL (ORANGE)

DIGIT 3	DIGITS 8 & 9
6	12,13,23,33
7	12,13,23,33
5	44,45
5	56,66
6	56,66
7,S	56,66
5	56,66
6	56,66
7,S	56,66
4	77,78,88,89,91
5	77,78,88,89,91
6	77,78,88,89,91
7,S	77,78,88,89,91
9	12,13,23,33
8,9	56,66
8,9	56,66
8	77,78,88,89,91
4	88,89,91
5	77,78,88,89,91
6	88,89,91
7,S	77,78,88,89,91

RECEIVER MANUAL (BROWN)

DIGIT 7	DIGITS 8 & 9
D,S,L,U	12,13,23,33
N,W	12,13,23,33
D,S,L,U	44,45
D,S,L,U,G,P	56,66
N,W	56,66
D,S,L,U,G,P	77,78,88,89,91

POWER SUPPLY MANUAL (LIGHT BLUE)

DIGIT 3
4,5,6,7,S
8,9

ECP200

DIGIT 5	
E	LBI-4785/DF9033
E	LBI-4786/DF9033
K,J	LBI-4789/DF9033
R,T	LBI-4788/DF9033
Y	LBI-4787/DF9033
N	LBI-4790/DF9033
U,V	LBI-4791/DF9033
E	LBI-4962/DF9043
K,J	LBI-4965/DF9043
R,T	LBI-4964/DF9043
Y	LBI-4963/DF9043
N	LBI-30273/DF9043
U,V	LBI-4967/DF9043
E	LBI-30995/DF9055
J,K	LBI-30998/DF9055
N	LBI-30999/DF9055
R,T	LBI-30997/DF9055
U,V	LBI-31000/DF9055
Y	LBI-30996/DF9055

LBI-30414/DF9033
LBI-31002/DF9055

DIGIT 10	
A,B	LBI-4732/DF3155
A,B	LBI-4728/DF3155
A,B	LBI-30616/DF3155
A,B	LBI-30750/DF3156
A,B	LBI-30746/DF3156
A,B	LBI-30737/DF3156
C,D	LBI-30756/DF3156
C,D	LBI-30755/DF3156
C,D	LBI-30752/DF3156
A,B	LBI-30215/DF3158
A,B	LBI-30211/DF3158
A,B	LBI-30207/DF3158
A,B	LBI-30198/DF3158
A,B	LBI-4732/DF3155
A,B	& LBI-4938/DF3159
A,B	LBI-30750/DF3156
A,B	LBI-4939/DF3159
C,D	LBI-30756/DF3156
A,B	& LBI-4939/DF3159
A,B	LBI-30211/DF3158
A,B	& LBI-4940/DF3159
D	LBI-31290
D	LBI-31293
D	LBI-31292
D	LBI-31291

LBI-30019/DF1100
LBI-30020/DF1100
LBI-30611/DF1100
LBI-30027/DF1101
LBI-30028/DF1101
LBI-30025/DF1104

LBI-30867/DF0072
LBI-30867/DF0072
& LBI-4931/DF0072

CONTROL MANUAL (DARK BLUE)

DIGIT 5

R, K

T, J

U

V

N, Y

E

LBI-30717/DF4098

LBI-30718/DF4098

LBI-30720/DF4098

LBI-30721/DF4098

LBI-30719/DF4098

See Product Code 66

tone MANUAL (LIGHT GREEN)

DIGIT 5

E, K, J, R, T

E, K, J, R, T

E, R, T

DIGIT 7

U, W, G

H, V, Y

L, W

N, U, V, Y

U

R, T, N, Y,

M, V

U, V, E

E, J, K, N, R,

D, N, P, S

T, U, V, Y

LBI-31056 (LBI-4743 Prior to 7-82)

LBI-31207

LBI-31056 AND LBI-31123

(LBI-4877 Prior to 7-82)

LBI-31056 and LBI-31123

(LBI-4877 Prior to 7-82)

LBI-31207 & LBI-31208

NONE

ACCESSORIES

DIGIT 3

S

LBI-4841, LBI-4842 & LBI-4815

DIGIT 1

P

LBI-4842

MASTR® II STATION OPTIONS (PC67)

OPTION	PUBLICATION	DESCRIPTION
3457	None	Decal
4047	None	CSIP
4129	None	CSIP
7646	None	Shared Repeater Tone
7777	None	Add on Relays
7778	None	Add on Relays
7779	None	Add on Relays
9500	LBI-30868/DF0072	50 Hz Power Supply
9501	LBI-30868/DF0072	50 Hz Power Supply
9502	LBI-30869	Battery Standby Charger
9503	LBI-4716/DF8414	Alarm Tone
9505	LBI-4782/DF8414	Power Line Protector
9506	LBI-4784/DF8414	Line Compensation Kit
9507**	LBI-30717*/DF4098	4-Wire Audio Kit
	LBI-30718*	
9508	LBI-4831 & LBI-4840	Intercom Kit
9509	LBI-4783/DF8414	Phone Line Protector
9510	LBI-4815/DF8414	Service Speaker
9511	LBI-4840/DF8385	Mobile Microphone
9512	LBI-4714/DF5046	Type 90 Repeater Control
9513	LBI-30657/DF5046	Digital Decoder for Repeater
	LBI-4778*/DF5046	
9514	LBI-30657/DF5046	Digital Decoder for Repeater
	LBI-4778*/DF5046	
9515	LBI-30713*/DF4098	CG ON-OFF (Tone)
9516	LBI-30713*/DF4098	CG ON-OFF (Repeater)
9517	LBI-30713*/DF4098	Repeater Disable
9518	LBI-30713*/DF4098	Squelch Level (Tone)
9519	LBI-30713*/DF4098	Auxiliary (1 Function)
9520	LBI-30713*/DF4098	Auxiliary (2 Function)
9521	LBI-30717*/DF4098	Auxiliary (1 Function)
9522	LBI-30713*/DF4098	Auxiliary (2 Function)
9523	LBI-4710/DF8414	Squelch Operated Relay
9524	LBI-30707*/DF4098	Repeater Disable (DC)
9525	LBI-30707*/DF4098	Repeater Disable (DC)
9526	LBI-4779/DF5046	Type 99 4-Function
9527	LBI-4718/DF5046	Digital Decoder (5-Function)
9528	LBI-4718/DF5046	Digital Decoder (5-Function)
9529	LBI-31052	CG Encoder/Decode

** 9507 LBI-32730 4-wire Audio Kit only

OPTION	PUBLICATION	DESCRIPTION	
9530	None	CG Decode Only	
9531	LBI-31056	CG Encode Only	
9532	LBI-31123	CG Encode Only	
9533	LBI-31056	CG Decode Only	
9534	LBI-31123	CG Encode Only	
9535	LBI-31123	CG Encode Only	
9536	LBI-30766*/DF9035	Antenna Matching Unit	
9537	LBI-30766*/DF9035	Antenna Matching Unit	
9538	LBI-30766*/DF9035	Auxiliary RX Application	
9539	LBI-30766*/DF9035	Auxiliary RX Application	
9540	LBI-30766*/DF9035	Auxiliary RX Application	
9541	LBI-30766*/DF9035	Auxiliary RX Application	
9542	LBI-4979/DF8408	Carrier Control Timer	
9543	LBI-4715/DF5046	Shared Repeater	
9544	LBI-30717*/DF4098	Extender Board	
	LBI-30718*/DF4098		
	LBI-30719*/DF4098		
9545	LBI-4841/DF8414	AC Outlet Strip	
9546	LBI-4842/DF8414	Heat Sink Blower	
9547	LBI-4842/DF8414	Heat Sink Blower	
9548	LBI-4842/DF8414	Heat Sink Blower	
9549	LBI-4842/DF8414	Cabinet Blower	
9550	LBI-4842/DF8414	Cabinet Blower	
9551	LBI-30414*/DF9033	Pole Mounting Brackers	
9552	LBI-4691/DF8410	2-Freq. PSLM	
9553	LBI-4691/DF8414	2-Freq. PSLM	
9554	LBI-4691/DF8410	2-Freq. PSLM	
9555	LBI-4723/DF9033	Radio Control Station	
9556	LBI-4723/DF9033	Radio Control Station	
9557	LBI-30717*/DF4098	E & M Signalling	
9557	LBI-30720*/DF4098	E & M Signalling	
9558	LBI-4845/DF8414	Built-In Metering	
9559	LBI-4845/DF8414	Built-In Metering	
9560	LBI-4848/DF8414	Built-In Metering	
9561	LBI-4913/DF5046	Voting Tone Board	
9562	LBI-4842/DF8414	Cabinet Blower	
9563	LBI-4818/DF8414	Battery Standby/Charger	
9564	LBI-30435	CG Encode Only	
9565	LBI-30435	CG Encode Only	
9566	LBI-30435	CG Encode/Decode }	(Delete LBI-31123 when this option is used)
9567	LBI-30435	CG Encode/Decode }	
9568	LBI-30435	CG Encode Only	
9569	LBI-30435	CG Encode/Decode	
9570	LBI-30435	CG Encode/Decode	
9571	LBI-4845/DF8414	Built In-Metering	
9572	LBI-4845/DF8414	Built In-Metering	
9573	LBI-30031/DF8388	HB Duplexer	
9574	LBI-30031/DF8388	HB Duplexer	
9575	LBI-30031/DF8388	UHF Duplexer	
9576	LBI-30031/DF8388	UHF Duplexer	
9577	LBI-30031/DF8388	UHF Duplexer	
9578	None	Step-down Transformer	
9579	None	Delete 44-inch Cabinet	
9580	None	Delete 44-inch Cabinet	
9581	None	30-inch Cabinet Only	
9582	None	44-inch Cabinet Only	
9583	None	Pole-Mount Cabinet Only	
9584	None	Vertical Cabinet Only	
9585	None	Delete Rx Oscillator	
9586	None	Delete Rx Oscillator	
9587	None	Delete Tx Oscillator	
9588	None	Delete Tx Oscillator	
9589	LBI-4723/DF9033	Radio Control Station	
9590	LBI-4845/DF8414	Built-In Metering	
9591	LBI-4845/DF8414	Built-In Metering	
9592	LBI-4845/DF8414	Built-In Metering	
9593	LBI-4845/DF8414	Built-In Metering	
9594	LBI-4848/DF8414	Built-In Metering	
9595	None	Mother Board Without Options	

OPTION	PUBLICATION	DESCRIPTION
9596	LBI-30246/DF8414	Fuse Panel
9597	LBI-30246/DF8414	Fuse Panel
9598	LBI-30246/DF8414	Fuse Kit
9599	LBI-30246/DF8414	Filter Panel
9600	LBI-30246/DF8414	Filter Panel
9601	LBI-30260/LBI-4913	Remote Keying Repeater/Voting Tone Board
9602	None	Vertical High-Power Cabinet
9612	LBI-30441/DF8414	High Stability Oscillator
9613	LBI-30441/DF8414	High Stability Oscillator
9614	LBI-30441/DF8414	High Stability Oscillator
9615	LBI-30441/DF8414	High Stability Oscillator
9616	LBI-30441/DF8414	High Stability Oscillator
9617	None	Delete Tx ICOM
9618	None	Delete Tx ICOM
9619	LBI-4831/DF8414	Intercom Kit With Mike
	LBI-4840/DF8385	
9624	LBI-30459/DF8414	Battery Shelf
9625	LBI-30459/DF8414	Battery Shelf
9626	LBI-30622/DF9033	Local EACOM (Digital)
	LBI-30623/DF4098	
	LBI-30624/DF5046	
9627	LBI-30622/DF9033	Local EACOM (DTMF)
	LBI-30623/DF4098	
	LBI-30788/DF5046	
9628	LBI-30622/DF9033	Regional EACOM (Digital)
	LBI-30623/DF4098	
	LBI-30624/DF5046	
9629	LBI-30622/DF9033	Regional EACOM (DTMF)
	LBI-30623/DF4098	
	LBI-30788/DF5046	
9633	LBI-30729*/DF4098	Two Auxiliary Receivers
9634	LBI-30729*/DF4098	Three Auxiliary Receivers
9635	LBI-30729*/DF4098	2-Auxiliary Rx/CG
9636	LBI-30729*/DF4098	3-Auxiliary Rx/CG
9637	LBI-30729*/DF4098	2-Auxiliary Rx
9638	LBI-30729*/DF4098	3-Auxiliary Rx
9639	LBI-30729*/DF4098	2-Auxiliary Rx/CG
9640	LBI-30729*/DF4098	3-Auxiliary Rx/CG
9641	LBI-30742/DF8388	Auxiliary Antenna Relay
9642	LBI-30622/DF9033	Local EACOM (Digital)
	LBI-30623/DF4098	
	LBI-30624/DF5046	
9643	LBI-30622/DF9033	Local EACOM (DTMF)
	LBI-30623/DF4098	
	LBI-30788/DF5046	
9644	LBI-30622/DF9033	Regional EACOM (Digital)
	LBI-30623/DF4098	
	LBI-30624/DF5046	
9645	LBI-30622/DF9033	Regional EACOM (DTMF)
	LBI-30623/DF4098	
	LBI-30788/DF5046	
9646	LBI-30766*/DF9035	Auxiliary Rx Application
9647	LBI-30867*/DF0072	Add 60 Hz Power Supply w/hum Suppression
9648	LBI-30867*/DF0072	Add 60 Hz Power Supply w/hum Suppression
9649	LBI-30867*/DF0072	Add 60 Hz Power Supply w/hum Suppression
9650	LBI-30867*/DF0072	Add 60 Hz Power Supply w/hum Suppression
9651	LBI-30867*/DF0072	Add 50 Hz Power Supply w/hum Suppression
9652	LBI-30867*/DF0072	Add 50 Hz Power Supply w/hum Suppression
9653	LBI-30867*/DF0072	Add 50 Hz Power Supply w/hum Suppression
9654	LBI-30867*/DF0072	Add 50 Hz Power Supply w/hum Suppression
9655	LBI-30868*/DF0072	Add 50 Hz Power Supply w/o hum Suppression
9656	LBI-30767/DF5046	Voting Tone Bd.
9659	LBI-30788/DF5046	DTMF Decoder
9660	LBI-30868*/DF0072	Add 50 Hz Power Supply w/o hum Suppression
9661	LBI-30246/DF0072	Fuse Panel For 12 VDC Station
9662	LBI-30246/DF0072	Fuse Panel For 12 VDC Station
9663	LBI-30246/DF0072	Filter Panel For 12 VDC Station
9664	LBI-30246/DF0072	Filter Panel For 12 VDC Station
9665	LBI-30796/DF8414	External Battery Standby Charger
9666	LBI-30796/DF8414	External Battery Standby Charger
9667	LBI-30031*/DF8388	Impedance Matcher (High Band)
9668	LBI-30031*/DF8388	Impedance Matcher (UHF)

(Delete LBI-30867 when this option is used)

(Delete LBI-30867 when these options are used)

OPTION	PUBLICATION	DESCRIPTION
9669	LBI-30869/DF8414	Internal Battery Standby Charger
9670	LBI-30869/DF8414	Internal Battery Standby Charger
9671	LBI-30742/DF8388	Auxiliary Antenna Relay
9672	LBI-30742/DF8388	Auxiliary Antenna Relay
9673	LBI-4723/DF9033	Radio Control Station System
9674	LBI-4723/DF9033	Radio Control Station System
9675	LBI-30742/DF8388	Axiliary Antenna Relay
9676	LBI-4723/DF9033	Radio Control Station System
9677	LBI-30871/DF8414	Telephone Line Surge Protector
9688	LBI-30956/DF4098	Standby Power Logic
9689	LBI-30767/DF5046	Voting Tone Bd.
9690	LBI-4783	Duplex Phone Line Protector Kit
9698	LBI-4831/DF8414	Intercom Kit
9751	LBI-30995*/DF9055	CIRCULATOR
	LBI-31001*/DF9055	
9752	LBI-30995*/DF9055	CIRCULATOR
	LBI-31001*/DF9005	
9754	LBI-30995*/DF9055	CIRCULATOR
	LBI-31001*/DF9055	
9755	LBI-30995*/DF9055	CIRCULATOR
	LBI-31001*/DF9055	
9756	LBI-30995*/DF9055	CIRCULATOR
	LBI-31001*/DF9055	
9757	LBI-30441/DF8414	High Stability Oscillator
9758	LBI-30441/DF8414	High Stability Oscillator
9759	LBI-30867*/DF0072	240 VAC
9760	LBI-30868*/DF0072	Add 50 Hz Power Supply w/o hum Suppression
9761	LBI-30868*/DF0072	Add 50 Hz Power Supply w/o hum Suppression
9762	LBI-30868*/DF0072	Add 50 Hz Power Supply w hum Suppression
9763	LBI-30868*/DF0072	Add 50 Hz Power Supply w hum Suppression
9764	LBI-30867*/DF0072	Add 60 Hz Power Supply w hum Suppression
9765	LBI-30867*/DF0072	60 Hz Power Supply delete hum Suppression
9766	LBI-4845	Metering, Built-in
9767	LBI-4845	Metering, Built-in
9768	LBI-4845	Metering, Built-in
9769	LBI-4845	Metering, Built-in
9770	LBI-4848	Card Edge Metering
9775	LBI-30459	Battery Shelf
9780	LBI-31532 & LBI-4913	VG Remote, Remote/Repeater (End-to-End Station)
9781	LBI-31532	VG Repeater Only (End-to-End Station)
9783	LBI-31681	VG 1-Frequency, Remote Only w/VGE-9600-SRW (E/D Station)
9784	LBI-31661	VG 1-Frequency, Remote Only w/VG-9600-SRW (E/D Station)
9785	LBI-31661	VG 1-Frequency, Remote Only w/VG-9600-SR (E/D Station)
9786	LBI-31682	VG Remote/Repeat w/VGE-9600-SRW (E/D Station)
9787	LBI-31662	VG Remote/Repeat w/VG-9600-SRW (E/D Station)
9788	LBI-31662	VG Remote/Repeat w/VG-9600-SR (E/D Station)
9789	LBI-31681	VG 2-Frequency, Remote Only w/VGE-9600-SRW (E/D Station)
9790	LBI-31661	VG 2-Frequency, Remote Only w/VG-9600-SRW (E/D Station)
9791	LBI-31661 (E/D Station)	VG 2-Frequency, Remote Only w/VG-9600-SR
9803	LBI-31681 & LBI-31697	Field Install Option 9783
9804	LBI-31661 & LBI-31697	Field Install Option 9784
9805	LBI-31661 & LBI-31520	Field Install Option 9785
9806	LBI-31682 & LBI-31697	Field Install Option 9786
9807	LBI-31662 & LBI-31697	Field Install Option 9787
9808	LBI-31662 & LBI-31520	Field Install Option 9788
9808	LBI-31681 & LBI-31697	Field Install Option 9789
9810	LBI-31661 & LBI-31697	Field Install Option 9790
9811	LBI-31661 & LBI-31520	Field Install Option 9797

LEGEND:

NONE = NO INSTRUCTION
 * = INSTRUCTIONS PROVIDED AS
 PART OF ASSOCIATED
 EQUIPMENT MANUAL

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