

BTR-700/800 CHANNEL GROUPS

CHANNEL GROUP	BASE TRANSMIT	BELTPACK RECEIVE	BASE RECEIVE	BELTPACK TRANSMIT
Antenna A2	870658-11 (Pink)	879220-2 (Black)	870658-3 (Red)	879220-4 (Green)
	518-536 MHz TV 22,23,24		632-650 MHz TV 41,42,43	
Antenna B4	870658-1 (Blue)	879220-2 (Black)	870658-4 (White)	879220-4 (Green)
	536-554 MHz TV 25,26,27		668-686 MHz TV 47,48,49	
Antenna C6	870658-12 (Brown)	879220-3 (Yellow)	870658-5 (Green)	879220-4 (Green)
	554-572 MHz TV 28,29,30		704-722 MHz TV 53,54,55	
Antenna E88 800/825 Only	870658-2 (Yellow)	879220-3 (Yellow)	870658-10 (Tan)	879220-1 (Violet)
	590-608 MHz TV 34,35,36		470-488 MHz TV 14,15,16	

Rev 1		BTR 700 CHANNEL MAP						A2 Band																
8/1/2001																								
Base Tx	22		23		24																			
	518	524	524	530	530	536																		
Bp Tx	41		42		43																			
	632	638	638	644	644	650																		
Pair Groups = 24 (12a + 12b)																								
Group	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11a	11b	12a	12b
Tx	22	22	23	23	24	24	22	22	23	23	24	24	22	22	23	23	24	24	22	22	23	23	24	24
1	522.3	521.5	528.3	527.5	534.3	533.5	522.6	520.7	528.6	527.7	534.6	533.7	523.3	520.6	529.4	526.4	534.6	533.7	522	522.7	528	528.7	534	534.7
Rx	41,42,43		41,42,43		41,42,43		41,42		41,42		41,42		42,43		42,43		42,43		41,43		41,43		41,43	
1	632.2	632.2	632.2	632.2	632.2	632.2	632.5	632.5	632.5	632.5	632.5	632.5	638.5	638.5	638.5	638.5	638.5	638.5	632.1	632.1	632.1	632.1	632.1	632.1
2	632.7	632.7	632.7	632.7	632.7	632.7	632.8	632.8	632.8	632.8	632.8	632.8	638.8	638.8	638.8	638.8	638.8	638.8	632.4	632.4	632.4	632.4	632.4	632.4
3	634.5	634.5	634.5	634.5	634.5	634.5	633.3	633.3	633.3	633.3	633.3	633.3	640.7	640.7	639.9	639.9	639.3	639.3	632.9	632.9	632.9	632.9	632.9	632.9
4	637	637	637	637	637	637	635.6	635.6	635.6	635.6	635.6	635.6	642	642	642	642	641.6	641.6	635.2	635.2	635.2	635.2	635.2	635.2
5	640	640	640	640	640	640	637.6	637.6	637.6	637.6	637.6	637.6	644.3	644.3	644	644	643.6	643.6	636.9	636.9	636.9	636.9	636.9	636.9
6	643.5	643.5	643.5	643.5	643.5	643.5	640.1	640.1	640.1	640.1	640.1	640.1	646.3	646.3	646.5	646.5	646.1	646.1	637.8	637.8	637.8	637.8	637.8	637.8
7	644.7	644.7	644.7	644.7	644.7	644.7	641.3	641.3	641.3	641.3	641.3	641.3	648	648	648.8	648.8	647.3	647.3	644.5	644.5	644.5	644.5	644.5	644.5
8	648.4	648.4	648.4	648.4	648.4	648.4	642.8	642.8	642.8	642.8	642.8	642.8	648.8	648.8	649.6	649.6	648.8	648.8	647.5	647.5	647.5	647.5	647.5	647.5
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Single Groups = 12																								
Group	13	14	15	16	17	18	19	20	21	22	23	24												
Tx	22	23	24	22	23	24	22	23	24	22	23	24												
1	521.5	527.1	533.7	522.6	528.6	534.6	522.6	528.6	534.6	522.6	528.6	534.6												
Rx	41,42,43		41,42,43	41	41	41	42	42	42	43	43	43												
1	632.1	632.2	632.3	632.2	632.2	632.2	638.2	638.2	638.2	644.2	644.2	644.2												
2	632.5	632.7	632.7	632.7	632.7	632.7	638.7	638.7	638.7	644.7	644.7	644.7												
3	634.4	636.3	635	633.4	633.4	633.4	639.4	639.4	639.4	645.4	645.4	645.4												
4	637.8	637.5	637.5	636.1	636.1	636.1	642.1	642.1	642.1	648.1	648.1	648.1												
5	641.5	641.2	643	*	*	*	*	*	*	*	*	*												
6	642.9	644.1	644.7	*	*	*	*	*	*	*	*	*												
7	645.9	646.6	647.7	*	*	*	*	*	*	*	*	*												
8	647.1	649.6	649.6	*	*	*	*	*	*	*	*	*												
9	*	*	*	*	*	*	*	*	*	*	*	*												
10	*	*	*	*	*	*	*	*	*	*	*	*												

Groups 25 - 36 are user-programmable and are blank initially.

Rev 1 **BTR 700 CHANNEL MAP** **B4 Band**

7/23/2002

Base Tx	25		26		27	
	536	542	542	548	548	554
Bp Tx	47		48		49	
	668	674	674	680	680	686

Pair Groups = 24 (12a + 12b)

Group	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11a	11b	12a	12b
Tx	25	25	26	26	27	27	25	25	26	26	27	27	25	25	26	26	27	27	25	25	26	26	27	27
1	540.3	539.5	546.3	545.5	552.3	551.5	540.6	538.7	546.6	545.7	552.6	551.7	541.3	538.6	547.4	544.4	552.6	551.7	540	540.7	546	546.7	552	552.7
Rx	47,48,49		47,48,49		47,48,49		47,48	47,48		47,48		48,49		48,49		48,49		47,49		47,49		47,49		
1	668.2	668.2	668.2	668.2	668.2	668.2	668.5	668.5	668.5	668.5	668.5	668.5	674.5	674.5	674.5	674.5	674.5	674.5	668.1	668.1	668.1	668.1	668.1	668.1
2	668.7	668.7	668.7	668.7	668.7	668.7	668.8	668.8	668.8	668.8	668.8	668.8	674.8	674.8	674.8	674.8	674.8	674.8	668.4	668.4	668.4	668.4	668.4	668.4
3	670.5	670.5	670.5	670.5	670.5	670.5	669.3	669.3	669.3	669.3	669.3	669.3	676.7	676.7	675.9	675.9	675.3	675.3	668.9	668.9	668.9	668.9	668.9	668.9
4	673	673	673	673	673	673	671.6	671.6	671.6	671.6	671.6	671.6	678	678	678	678	677.6	677.6	671.2	671.2	671.2	671.2	671.2	671.2
5	676	676	676	676	676	676	673.6	673.6	673.6	673.6	673.6	673.6	680.3	680.3	680	680	679.6	679.6	672.9	672.9	672.9	672.9	672.9	672.9
6	679.5	679.5	679.5	679.5	679.5	679.5	676.1	676.1	676.1	676.1	676.1	676.1	682.3	682.3	682.5	682.5	682.1	682.1	673.8	673.8	673.8	673.8	673.8	673.8
7	680.7	680.7	680.7	680.7	680.7	680.7	677.3	677.3	677.3	677.3	677.3	677.3	684	684	684.8	684.8	683.3	683.3	680.5	680.5	680.5	680.5	680.5	680.5
8	684.4	684.4	684.4	684.4	684.4	684.4	678.8	678.8	678.8	678.8	678.8	678.8	684.8	684.8	685.6	685.6	684.8	684.8	683.5	683.5	683.5	683.5	683.5	683.5
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Single Groups = 12

Group	13	14	15	16	17	18	19	20	21	22	23	24
Tx	25	26	27	25	26	27	25	26	27	25	26	27
1	539.5	545.1	551.7	540.6	546.6	552.6	540.6	546.6	552.6	540.6	546.6	552.6
Rx	47,48,49		47,48,49	47	47	47	48	48	48	49	49	49
1	668.1	668.2	668.3	668.2	668.2	668.2	674.2	674.2	674.2	680.2	680.2	680.2
2	668.5	668.7	668.7	668.7	668.7	668.7	674.7	674.7	674.7	680.7	680.7	680.7
3	670.4	672.3	671	669.4	669.4	669.4	675.4	675.4	675.4	681.4	681.4	681.4
4	673.8	673.5	673.5	672.1	672.1	672.1	678.1	678.1	678.1	684.1	684.1	684.1
5	677.5	677.2	679	*	*	*	*	*	*	*	*	*
6	678.9	680.1	680.7	*	*	*	*	*	*	*	*	*
7	681.9	682.6	683.7	*	*	*	*	*	*	*	*	*
8	683.1	685.6	685.6	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*

Groups 25 - 36 are user programmable and are blank initially.

Rev 2		BTR 700 CHANNEL MAP						C6 Band																
5/29/2001																								
Base Tx	28		29		30																			
	554	560	560	566	566	572																		
Bp Tx	53		54		55																			
	704	710	710	716	716	722																		
Pair Groups = 24 (12a + 12b)																								
Group	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b	11a	11b	12a	12b
Tx	28	28	29	29	30	30	28	28	29	29	30	30	28	28	29	29	30	30	28	28	29	29	30	30
1	558.3	557.5	564.3	563.5	570.3	569.5	558.6	556.7	564.6	563.7	570.6	569.7	559.3	556.6	565.4	562.4	570.6	569.7	558	558.7	564	564.7	570	570.7
Rx	53,54,55		53,54,55		53,54,55		53,54		53,54		53,54		54,55		54,55		54,55		53,55		53,55		53,55	
1	704.2	704.2	704.2	704.2	704.2	704.2	704.5	704.5	704.5	704.5	704.5	704.5	710.5	710.5	710.5	710.5	710.5	710.5	704.1	704.1	704.1	704.1	704.1	704.1
2	704.7	704.7	704.7	704.7	704.7	704.7	704.8	704.8	704.8	704.8	704.8	704.8	710.8	710.8	710.8	710.8	710.8	710.8	704.4	704.4	704.4	704.4	704.4	704.4
3	706.5	706.5	706.5	706.5	706.5	706.5	705.3	705.3	705.3	705.3	705.3	705.3	712.7	712.7	711.9	711.9	711.3	711.3	704.9	704.9	704.9	704.9	704.9	704.9
4	709	709	709	709	709	709	707.6	707.6	707.6	707.6	707.6	707.6	714	714	714	714	713.6	713.6	707.2	707.2	707.2	707.2	707.2	707.2
5	712	712	712	712	712	712	709.6	709.6	709.6	709.6	709.6	709.6	716.3	716.3	716	716	715.6	715.6	708.9	708.9	708.9	708.9	708.9	708.9
6	715.5	715.5	715.5	715.5	715.5	715.5	712.1	712.1	712.1	712.1	712.1	712.1	718.3	718.3	718.5	718.5	718.1	718.1	709.8	709.8	709.8	709.8	709.8	709.8
7	716.7	716.7	716.7	716.7	716.7	716.7	713.3	713.3	713.3	713.3	713.3	713.3	720	720	720.8	720.8	719.3	719.3	716.5	716.5	716.5	716.5	716.5	716.5
8	720.4	720.4	720.4	720.4	720.4	720.4	714.8	714.8	714.8	714.8	714.8	714.8	720.8	720.8	721.6	721.6	720.8	720.8	719.5	719.5	719.5	719.5	719.5	719.5
9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Single Groups = 12																								
Group	13	14	15	16	17	18	19	20	21	22	23	24												
Tx	28	29	30	28	29	30	28	29	30	28	29	30												
1	557.5	563.1	569.7	558.6	564.6	570.6	558.6	564.6	570.6	558.6	564.6	570.6												
Rx	53,54,55		53,54,55		53,54,55		53		53		53		54		54		55		55		55		55	
1	704.1	704.2	704.3	704.2	704.2	704.2	710.2	710.2	710.2	716.2	716.2	716.2												
2	704.5	704.7	704.7	704.7	704.7	704.7	710.7	710.7	710.7	716.7	716.7	716.7												
3	706.4	708.3	707	705.4	705.4	705.4	711.4	711.4	711.4	717.4	717.4	717.4												
4	709.8	709.5	709.5	708.1	708.1	708.1	714.1	714.1	714.1	720.1	720.1	720.1												
5	713.5	713.2	715	*	*	*	*	*	*	*	*	*												
6	714.9	716.1	716.7	*	*	*	*	*	*	*	*	*												
7	717.9	718.6	719.7	*	*	*	*	*	*	*	*	*												
8	719.1	721.6	721.6	*	*	*	*	*	*	*	*	*												
9	*	*	*	*	*	*	*	*	*	*	*	*												
10	*	*	*	*	*	*	*	*	*	*	*	*												

Groups 25 - 36 are user programmable and are blank initially.



BTR-1

The BTR-1 system operates in TV channels 16 to 36 and 38 to 59. This is the frequency range of 482 to 608 MHz and 614 to 746 MHz. The BTR-1 frequency bands are typically 18 MHz wide, however band 7 is 24 MHz wide.

Frequency bands F to E are always BTR-1 transmit bands (TR-1 receive bands) and frequency bands 1 to 7 are BTR-1 receive bands (beltpack transmit bands).

The BTR-1 is offered on 34 frequency band splits (see table below).

BTR-1 Transmit Bands	BTR-1 Receive Bands
F	1, 2, 3, 4, 5, 6, 7
H	1, 2, 3, 4, 5, 6, 7
A	2, 3, 4, 5, 6, 7
B	3, 4, 5, 6, 7
C	4, 5, 6, 7
D	5, 6, 7
E	6, 7

BTR-800 and BTR-700

The BTR-800 and BTR-700 systems operate in TV channels 14 to 36 and 38 to 58. This is the frequency range of 470 to 608 MHz and 614 to 740 MHz. The BTR-800 and BTR-700 frequency bands are 18 MHz wide.

Frequency bands A, B, C and E are always base station transmit bands (beltpack receive bands) and frequency bands 2, 4, 6, 88 are base station receive bands (beltpack transmit bands).

The BTR-800 is offered on 4 frequency band splits: A2, B4, C6 and E88 (see table below).

The BTR-700 is offered on 3 frequency band splits: A2, B4 and C6 (see table below).

BTR-800 Transmit Bands	BTR-800 Receive Bands
A	2
B	4
C	6
E	88

BTR-700 Transmit Bands	BTR-700 Receive Bands
A	2
B	4
C	6
G	9

Note: The G9 Frequency Band is not authorized for use in the USA or Canada

RadioCom™ UHF Frequency Band Chart					
BTR-1	TV CHANNEL	START FREQUENCY	END FREQUENCY	TV CHANNEL	BTR-800 BTR-700
F	14	470	476	14	88
	15	476	482	15	
	16	482	488	16	
	17	488	494	17	
H	18	494	500	18	
	19	500	506	19	
	20	506	512	20	
A	21	512	518	21	
	22	518	524	22	
	23	524	530	23	
B	24	530	536	24	A
	25	536	542	25	
C	26	542	548	26	B
	27	548	554	27	
D	28	554	560	28	C
	29	560	566	29	
	30	566	572	30	
E	31	572	578	31	
	32	578	584	32	
	33	584	590	33	
NOT USED	34	590	596	34	E
	35	596	602	35	
	36	602	608	36	
1	37	608	614	37	NOT USED
	38	614	620	38	
	39	620	626	39	
2	40	626	632	40	
	41	632	638	41	
3	42	638	644	42	2
	43	644	650	43	
	44	650	656	44	
4	45	656	662	45	
	46	662	668	46	
	47	668	674	47	
5	48	674	680	48	4
	49	680	686	49	
	50	686	692	50	
6	51	692	698	51	
	52	698	704	52	
	53	704	710	53	
7	54	710	716	54	6
	55	716	722	55	
	56	722	728	56	
NOT USED	57	728	734	57	
	58	734	740	58	
	59	740	746	59	

796	802		G
802	808		
808	814		

844	850		9
850	856		
856	862		