



Wouxun KG-UV6D channel locations

2012-10-28

	0x00	0x10	0x20	0x30	0x40	0x50	0x60	0x70	0x80	0x90	0xa0	0xb0	0xc0	0xd0	0xe0	0xf0
0x0000		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0x0100	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0x0200	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
0x0300	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
0x0400	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0x0500	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
0x0600	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
0x0700	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
0x0800	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0x0900	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0x0a00	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
0x0b00	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
0x0c00	192	193	194	195	196	197	198	199								
0x0d00	unused															
0x0e00	general settings															
0x0f00	general settings															
0x1000		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0x1100	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0x1200	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
0x1300	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
0x1400	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0x1500	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
0x1600	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
0x1700	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
0x1800	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0x1900	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0x1a00	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
0x1b00	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
0x1c00	192	193	194	195	196	197	198	199								
0x1d00	unused															
0x1e00	general settings															
0x1f00	general settings															

address		size		content	format (bold – see format definition)
hex	hex	dec	dec		
0x0000	0x10	16		<i>empty</i>	<i>0xff</i>
0x0010	0x0c70	3184		channel settings 1 – 199	channel settings block
0x0c80	0x0280	640		<i>empty</i>	<i>0xff</i>
0x0f00	0x06	6		welcome message line 1	text string
0x0f06	0x06	6		welcome message line 2	text string
0x0f0c	0x06	6		single band indicator	text string
0x0f12	0x01	1			
0x0f13	0x0d	13		<i>empty</i>	<i>0xff</i>
0x0f20	0x01	1		VFO B channel display mode	0 ch, 1 ch/freq, 2 name, 3 VFO
0x0f21	0x01	1		VFO A step	frequency steps
0x0f22	0x01	1		VFO A squelch	0 off, 1 – 9 level
0x0f23	0x01	1		power save	0 off, 1 on
0x0f24	0x01	1		PF2 (RPT) function select	PF2 functions
0x0f25	0x01	1		roger beep select	0 off, 1 begin, 2 end, 3 both
0x0f26	0x01	1		time out timer	
0x0f27	0x01	1		vox	0 off, 1 – 10 level
0x0f28	0x04	4			
0x0f2c	0x01	1		voice prompt	0 off, 1 chinese, 2 english
0x0f2d	0x01	1		beep	0 off, 1 on
0x0f2e	0x01	1		ani id enable	0 off, 1 on
0x0f2f	0x02	2			
0x0f31	0x01	1		VFO B step	frequency steps
0x0f32	0x01	1			
0x0f33	0x01	1		ani id tx delay	0 off, 1 – 30 delay
0x0f34	0x01	1			
0x0f35	0x01	1		sidetone	0 off, 1 key, 2 ani, 3 key+ani
0x0f36	0x01	1		time out alert	0 off, 0 – 10 (?)
0x0f37	0x01	1		VFO A channel display mode	0 ch, 1 ch/freq, 2 name, 3 VFO
0x0f38	0x01	1		scan mode	0 time, 1 carrier, 2 search
0x0f39	0x01	1		keyboard lock	0 off, 1 on
0x0f3a	0x01	1		power on message	0 off, 1 text, 2 batt voltage
0x0f3b	0x01	1		PF1 (side) function select	PF1 functions
0x0f3c	0x01	1			
0x0f3d	0x01	1		auto backlight	0 off, 1 on
0x0f3e	0x01	1		SOS channel select	0 ch A, 1 ch B
0x0f3f	0x02	2			
0x0f41	0x01	1		auto lock keypad	0 off, 1 on
0x0f42	0x01	1		VFO B squelch	0 off, 1 – 9 level
0x0f43	0x01	1			
0x0f44	0x01	1		stopwatch	0 off, 1 on
0x0f45	0x01	1		VFO A current channel	channel number
0x0f46	0x01	1		dual band receive	0 off, 1 on
0x0f47	0x01	1		current VFO	0x00 VFO A, 0x80 VFO B
0x0f48	0x02	2			
0x0f4a	0x06	6		mode password	000000 off, 6 digits
0x0f50	0x06	6		reset password	000000 off, 6 digits
0x0f56	0x06	6		ani id content	DTMF digit , pad with 0xff
0x0f5c	0x01	1		menu available	6 off, 7 on (& 0x01)
0x0f5d	0x01	1			
0x0f5e	0x01	1		priority channel	channel number
0x0f5f	0x01	1		VFO B current channel	channel number
0x0f60	0x10	16		VFO A channel settings	channel settings block
0x0f70	0x10	16		VFO B channel settings	channel settings block
0x0f80	0x02	2		<i>empty</i>	<i>0xff</i>
0x0f82	0x12	18		FM presets, bank 0	FM presets
0x0f94	0x0c	12		<i>empty</i>	<i>0xff</i>
0x0fa0	0x50	80			
0x0ff0	0x02	2		frequency limit RX VHF low	limit frequency
0x0ff2	0x02	2		frequency limit RX VHF high	limit frequency
0x0ff4	0x02	2		frequency limit RX UHF low	limit frequency
0x0ff6	0x02	2		frequency limit RX UHF high	limit frequency

Wouxun KG-UV6D memory map

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0x0ff8	0x02	2	frequency limit TX VHF low	limit frequency
0x0ffa	0x02	2	frequency limit TX VHF high	limit frequency
0x0ffc	0x02	2	frequency limit TX UHF low	limit frequency
0x0ffe	0x02	2	frequency limit TX UHF high	limit frequency
0x1000	0x10	16	<i>empty</i>	<i>0xff</i>
0x1010	0x0c70	3184	channel names 1 – 199	channel name block
0x1c80	0x0280	640	<i>empty</i>	<i>0xff</i>
0x1f00	0x60	96		
0x1f60	0x01	1	VFO A TX offset direction	0 off, 1 +, 2 -
0x1f61	0x06	6	VFO A TX offset	00 00 00 06 00 00 means 600 kHz
0x1f67	0x09	9	<i>empty</i>	<i>0xff</i>
0x1f70	0x01	1	VFO B TX offset direction	0 off, 1 +, 2 -
0x1f71	0x06	6	VFO B TX offset	00 00 00 06 00 00 means 600 kHz
0x1f77	0x06	6	string 'WELCOM', constant?	text string
0x1f7d	0x03	3	<i>empty</i>	<i>0xff</i>
0x1f80	0x12	18	FM presets, bank 1	FM presets
0x1f92	0x0e	14	<i>empty</i>	<i>0xff</i>
0x1fa0	0x50	80		
0x1ff0	0x10	16	<i>empty</i>	<i>0xff</i>

format	size		bitmap		stored data
	hex	dec	bit	mask	
channel settings block:	0x10	16			
RX frequency	0x04	4			radio frequency
TX frequency	0x04	4			radio frequency
RX CTCSS/DCS	0x02	2			CTCSS/DCS
TX CTCSS/DCS	0x02	2			CTCSS/DCS
busy channel lockout	0x01	1			bitmap BCL
TX dev/power, scan	0x01	1			bitmap TX dev/pow
<i>empty</i>	0x02	2			<i>0xff</i>
radio frequency	0x04	4			BCD, reverse byte order, floating point after third digit <i>example: 75 68 60 44 means 446.06875 MHz</i>
CTCSS/DCS	0x02	2			0xffff off frequency * 10 DCS (value >= 0x2800) value + 0x2800 (?) DCS polarity (& 0x8000) 0 N+/1 I- (?)
bitmap BCL					0/1
busy channel lockout			3	0x08	off/on
bitmap TX dev/pow					0/1
TX deviation			4	0x10	narrow/wide
TX power			5	0x20	low/high
scan include			6	0x40	no scan/scan (not in VF0 settings)
split duplex			7	0x80	no/yes (not in VF0 settings?)
text string	0x06	6			7 bit ASCII, 0x20 to 0x7e, possible exceptions: '' and '\'
FM presets	0x02	2			frequency * 10 – 760 <i>example: 00 e9 means 99.3 MHz</i>
channel name block:	0x10	16			
channel name	0x06	6			values 0x00 to 0x26, zero based position in channel name characters
<i>empty</i>	0x0a	10			<i>0xff</i>
channel name characters	0x01	1			0123456789ABCDEFGHIJKLMN0PQRSTUVWXYZ?+-
DTMF digit	0x01	1			0 – 9, 10 a, 11 b etc (?)
limit frequency	0x02	2			four nibbles, en/de-code with string: 2758xxx0x314xx69 7a09b2e13f hi/lo nibble of byte 0/1, pad with 0 <i>example: 7a 9e means 0136 MHz</i> <i>example: 0350 MHz becomes 79 27</i>
frequency steps	0x01	1			2.5 kHz not available on all models 0 2.5, 1 5.0, 2 6.25, 2 10.0, 4 12.5, 5 25.0, 6 50.0, 7 100.0 kHz
PF1 functions	0x01	1			0 off, 1 scan, 2 lamp, 3 sos, 4 radio
PF2 functions	0x01	1			0 off, 1 radio, 2 fr/ch, 3 rpt, 4 stopwatch, 5 lamp, 6 sos