

no.	content	description	alignment / remarks	Factory "HOME"	DG2IAQ actually	USERS AVERAGE	QRPP	Callsign Model S/N	Daniel Klein	DC2RE	DF1NH FT-897	DG2IAQ default	DG5POJ FT-897D	DG6HC FT-897	DG6HC FT-897D	DL4CU Modify	DL8NCR FT857	DO4YMF FT-897D	DO4YMF aligned	DO5PW	EA8EE mods.dk	KM6AB SWR mod	OE83OK FT-857D	ON7WP 3 / 1.5 kHz
					3E150101							3E150101					3I 100074	4G360139	4G360139					
001	HF1RXG	CW 1.825,07	The higher, the more sensitive the RX is	128	128	120			99	118	144	88	136	102	80	141	104	84	128	255	118		145	
002	HF2RXG	CW 7.043,55		128	150	88			78	90	94	76	87	82	70	100	73	82	100	123	91		97	
003	HF3RXG	CW 21.070,00		128	160	133			99	135	223	102	115	116	88	177	100	72	128	255	133		171	
004	50MRXG	CW 50.095,00		128	170	121			88	130	255	116	97	133	75	174	81	60	128	174	106		132	
005	VHFRXG	CW 145.375,00		128	200	109			93	109	89	80	130	84	79	118	77	106	128	225	77		177	
006	UHF RXG	CW 433.425,00		128	200	104			79	85	116	75	80	146	69	126	97	88	128	108	103		114	
007	SSB-S9	CW 21.070,00	The higher, the more shown level	70	61	74			86	85	62	65	81	69	88	70	66	96	65	85	61		85	
008	SSB-FS	CW 21.070,00		62	58	57			58	55	54	56	52	60	56	62	58	61	57	55	54		56	
009	FM-S1	FM 145.375,00	60 = S0 The higher, the higher the S-value is	79	85	73			71	75	77	75	64	77	73	78	74	71	73	74	68		75	
010	FM-FS	FM 145.375,00		111	116	104			101	105	109	105	102	108	103	109	104	102	104	103	99		106	
011	DISC-L	FM 145.375,00	Press "A" at test signal given ~3kHz and ~+3kHz	51	52	49			47	49	53	49	48	48	48	49	49	47	52	47	50		48	
012	DISC-H	FM 145.375,00		80	80	76			74	78	79	76	76	76	74	76	76	74	80	74	79		76	
013	FM-TH1	FM 145.375,00	open/close level without RX signal (Threshold / Hysteresis)	100	98	87			77	89	78	82	95	92	75	85	88	93	100	76	100		86	
014	FM-TH2	FM 145.375,00		101	98	88			81	86	78	88	87	93	77	86	91	98	101	83	100		87	
015	FM-T11	FM 145.375,00	on RX signal of 3 dBµ (Tight = Enge)	6	2	3			1	2	1	1	2	2	1	3	3	2	6	1	10		2	
016	FM-T12	FM 145.375,00		9	2	3			1	2	2	3	3	3	1	4	3	2	9	1	10		2	
017	VCC		at Ub=13,8V	138	138	138			138	138	138	138	138	138	138	138	138	138	138	138	138		138	
018	HF1-IC	CW 1.825,07	the lower, the more sensitive the current protection is	87	95	91			93	93	81	88	88	96	93	82	91	92	83	93	83		129	
019	HF2-IC	CW 7.043,55		87	92	86			89	92	80	86	84	96	89	82	84	90	82	90	80		84	
020	HF3-IC	CW 21.070,00		94	105	101			111	117	87	99	104	107	110	92	94	116	91	114	87		106	
021	50M-IC	CW 50.095,00		90	100	96			93	98	83	91	85	98	91	88	115	102	86	96	84		119	
022	VHF-IC	CW 145.375,00		79	85	74			74	78	69	72	71	80	79	73	75	73	72	78	72		75	
023	UHF-IC	CW 433.425,00		70	80	74			71	76	76	67	71	75	71	76	77	78	72	73	74		77	
024	HF1-MAX	CW 1.825,07	100W	174	185	173			176	172	170	163	179	163	155	167	166	170	166	169	165		172	
025	HF1-MID2	CW 1.825,07	50W	109	109	108			113	111	110	104	115	105	107	106	108	110	106	108	105		111	
026	HF1-MID1	CW 1.825,07	10W	34	34	32			32	33	33	31	34	31	31	30	33	32	31	31	31		33	
027	HF1-MIN	CW 1.825,07	5W	15	15	13	0		14	14	13	12	14	13	12	11	14	14	12	12	13		15	
028	HF2-MAX	CW 7.043,55	100W	168	180	170			171	168	165	158	171	157	154	163	182	165	160	162	159		170	
029	HF2-MID2	CW 7.043,55	50W	105	105	105			109	108	106	101	109	101	104	103	107	106	103	103	102		110	
030	HF2-MID1	CW 7.043,55	10W	32	32	30			31	31	31	29	32	29	29	29	31	30	30	29	29		31	
031	HF2-MIN	CW 7.043,55	5W	13	13	12			12	13	12	11	13	12	11	11	14	12	11	11	11		14	
032	HF3-MAX	CW 21.070,00	100W	167	175	168			170	167	164	156	170	156	154	162	176	164	159	162	158		168	
033	HF3-MID2	CW 21.070,00	50W	104	104	104			109	107	106	100	109	101	104	103	106	106	102	103	101		109	
034	HF3-MID1	CW 21.070,00	10W	32	32	30			30	31	31	29	32	29	29	28	31	30	29	29	29		31	
035	HF3-MIN	CW 21.070,00	5W	13	13	12	0		12	15	12	11	13	12	11	11	13	12	13	11	11		14	
036	50M-MAX	CW 50.095,00	100W	155	160	150			157	153	151	144	160	145	143	150	151	151	147	149	145		155	
037	50M-MID2	CW 50.095,00	50W	97	97	95			99	98	97	91	102	92	95	94	97	95	93	94	92		99	
038	50M-MID1	CW 50.095,00	10W	52	52	47			49	49	50	47	51	47	48	48	50	49	26	47	47		50	
039	50M-MIN	CW 50.095,00	5W	10	10	9	0		9	9	10	8	10	9	8	9	11	9	12	8	8		11	
040	VHF-PO-MAX	CW 145.375,00	50W	90	95	89			92	92	90	90	93	84	90	86	88	91	90	89	87		91	
041	VHF-PO-MID2	CW 145.375,00	20W	45	45	46			45	45	45	45	45	41	78	43	44	45	45	44	43		44	
042	VHF-PO-MIN	CW 145.375,00	5W	8	8	7	0		7	7	7	7	7	6	6	6	7	7	12	6	7		8	

no.	content	description	alignment / remarks	Factory "HOME"	DG2IAQ actually	USERS AVERAGE	QRPP	Calisign Model	Daniel Klein	DC2RE	DF1NH FT-897	DG2IAQ default	DG5POJ FT-897D	DG6HC FT-897	DG6HC FT-897D	DL4CU Modify	DL8NCR FT857	DO4YMF FT-897D	DO4YMF aligned	DO5PW	EA8EE mods.dk	KM6AB SWR mod	OE83OK FT-857D	ON7WP 3 / 1.5 kHz
043	UHF-PO-MAX	CW 433.425,00	20W	125	150	117			119	118	117	117	121	108	116	115	114	119	125	116	112		119	
044	UHF-PO-MIN	CW 433.425,00	5W	25	25	15	0		12	15	16	14	14	14	13	13	14	13	25	14	16		17	
045	HF1-TXG	USB 1.825,47	the higher, the higher the TX amplification of driver is (alignment that 5 W FM come out for sure)	64	75	81			88	119	50	71	77	37	122	47	62	99	60	131	48		106	
046	HF2-TXG	USB 7.043,55		64	75	64			62	93	40	47	51	32	95	38	50	66	60	94	38		83	
047	HF3-TXG	USB 21.070,00		64	75	72			65	109	48	63	63	35	108	44	72	70	60	117	43		88	
048	50MTXG	USB 50.095,00		64	75	43			35	38	38	50	30	37	48	39	46	34	60	48	40		36	
049	VHFTXG	USB 145.375,00		64	75	59			41	56	46	60	47	35	101	60	80	41	60	57	47		54	
050	UHFTXG	USB 433.425,00		64	75	53			31	36	102	49	64	48	43	49	51	32	60	40	49		44	
051	ALC1-M	USB 21.070,00	measured: 180 -> value + 4 dots	250	250	219			246	246	206	246	246	201	246	0	246	246	205	246	203		246	
052	ALC-M	USB 21.070,00		100	100	110			119	116	84	98	105	82	122	82	93	119	100	120	85		113	
053	HF1-REV-ALC	CW 1.825,07	the lower, the more sensitive protection and the earlier the reduction of output power	40	75	58			48	44	60	56	53	55	48	47	72	52	60	45	61	75	77	
054	HF2-REV-ALC	CW 7.043,55		36	75	52			40	38	53	49	44	46	41	42	63	43	55	38	56	75	68	
055	HF3-REV-ALC	CW 21.070,00		49	75	51			43	46	50	44	46	45	44	48	59	44	49	44	50	75	62	
056	50M-REV-ALC	CW 50.095,00		53	65	44			45	39	48	38	46	39	44	48	51	39	40	38	47		46	
057	VHF-REV-ALC	CW 145.375,00		57	65	59			59	61	61	57	59	54	57	61	46	56	90	58	62		44	
058	UHF-REV-ALC	CW 433.425,00		60	65	80			62	67	61	63	64	61	60	61	117	62	115	63	57		128	
059	CW-CAR-LEVEL	CW 21.070,00		109	145	143			142	140	147	148	155	142	146	144	140	140	145	146	144		143	
060	AM-CAR-LEVEL	AM 21.070,00	the lower the higher modulation level	114	125	131			123	127	129	134	137	133	129	125	145	128	125	139	125		138	
061	DEV-W	FM 145.375,00	deviation = 5 kHz	198	205	210			231	219	213	215	209	213	221	209	212	221	198	221	216		213	125
062	DEV-N	FMN 145.375,00	deviation = 2.5 kHz	101	105	106			116	109	108	110	106	105	110	106	108	113	101	111	110		109	50
063	MOD-MTR	FM 145.375,00	the lower, the more meter level	201	201	200			212	212	190	204	203	207	201	192	191	204	201	198	200		195	
064	DTMF-DEV	FM 145.375,00	the higher, the more deviation	10	40	42			47	44	46	46	47	46	46	47	49	45	30	41	10		46	
065	CTCSS-DEV	FM 145.375,00	the higher, the more deviation	235	235	231			232	233	240	246	241	239	241	225	231	232	235	241	233		230	160
066	DCS-DEV	FM 145.375,00	the higher, the more deviation	180	180	171			169	173	171	180	174	173	174	163	166	169	180	172	168		166	
067	LSB-CAR-POINT	LSB 21.070,00		0	13	-9			-13	-4	-6	-8	-3	-20	-15	-4	-12	-6	5	8	-7		-8	
068	USB-CAR-POINT	USB 21.070,00		0	-3	2			-2	3	-1	-5	3	-9	-14	0	9	5	-5	12	5		4	
069	VSWR2 at 10W	CW 14.070,00		10	17	17			14	16	16	17	17	17	15	11	22	17	17	15	17		25	
070	VSWR3 at 10W	CW 14.070,00		32	44	41			37	37	40	44	40	42	40	32	47	40	44	37	42		50	
071	ATAS-TEST	LSB 14.070,00																						
072	AMTR-TEST	LSB 14.070,00																						
073	HTEMP-Threshold	LSB 14.070,00			38	38			38	38	38	38	38	38	38	38	38	38	38	38	38		38	
074	FTEMP-Threshold	LSB 14.070,00			102	102			102	102	102	102	102	102	102	102	102	102	102	102	102		102	
					INRAD							RD07MVS1												
	A+B+C (.or UP+Dn) + Power on = start alignment menu				706F 2.6 kHz				Remarks: KM6AB: changed REV ALC to prevent SSB distortions on bad SWR ON7WP: changed FM DEV for usage of 12.5 kHz repeaters (FM mod = "15")															
	MEM/VFO CH = step through the menus				and																			
	MAIN DIAL = change value manually																							
	Power off = leave alignment menu WITHOUT STORING				720F 2.0 kHz																			
	HOME = pre-setting factory defaults on each separate content --- see remarks (**)																							
	A = auto measuring of levels and storing them																							
	F = leave alignment menu WITH STORING ALL PARAMETERS (1/2 sec.)																							

[illegible]

no.	content	description	alignment / remarks	Factory "HOME"	DG2IAQ actually	USERS AVERAGE	QRP	Calisign Model S/N	PE1OPM	PY2EJ FT-857	RA9FRD FT-857	SV1EEX FT-897D	
					3E150101							SSB Audio Mod	
001	HF1RXG	CW 1.825,07	The higher, the more sensitive the RX is	128	128	120			88	105	100		
002	HF2RXG	CW 7.043,55		128	150	88			76	77	100		
003	HF3RXG	CW 21.070,00		128	160	133			97	116	128		
004	50MRXG	CW 50.095,00		128	170	121			97	89	128		
005	VHFRXG	CW 145.375,00		128	200	109			72	87	128		
006	UHF-RXG	CW 433.425,00		128	200	104			110	110	128		
007	SSB-S9	CW 21.070,00	The higher, the more shown level	70	61	74			62	65	69		
008	SSB-FS	CW 21.070,00		62	58	57			54	56	60		
009	FM-S1	FM 145.375,00	60 = S0 The higher, the higher the S-value is	79	85	73			71	76	77		
010	FM-FS	FM 145.375,00		111	116	104			102	107	104		
011	DISC-L	FM 145.375,00	Press "A" at test signal given ~3kHz and ~+3kHz	51	52	49			52	50	50		
012	DISC-H	FM 145.375,00		80	80	76			79	77	76		
013	FM-TH1	FM 145.375,00	open/close level without RX signal (Threshold / Hysteresis)	100	98	87			91	92	76		
014	FM-TH2	FM 145.375,00		101	98	88			88	88	83		
015	FM-T11	FM 145.375,00	on RX signal of 3 dBu (Tight = Enge)	6	2	3			2	3	3		
016	FM-T12	FM 145.375,00		9	2	3			3	3	4		
017	VCC		at Ub=13,8V	138	138	138			138	138	138		
018	HF1-IC	CW 1.825,07	the lower, the more sensitive the current protection is	87	95	91			80	94	83		
019	HF2-IC	CW 7.043,55		87	92	86			80	91	82		
020	HF3-IC	CW 21.070,00		94	105	101			86	102	91		
021	50M-IC	CW 50.095,00		90	100	96			80	130	86		
022	VHF-IC	CW 145.375,00		79	85	74			69	77	75		
023	UHF-IC	CW 433.425,00		70	80	74			70	84	76		
024	HF1-MAX	CW 1.825,07	100W	174	185	173			167	165	195	230	
025	HF1-MID2	CW 1.825,07	50W	109	109	108			108	105	104		
026	HF1-MID1	CW 1.825,07	10W	34	34	32			33	32	32		
027	HF1-MIN	CW 1.825,07	5W	15	15	13	0		13	14	13		
028	HF2-MAX	CW 7.043,55	100W	168	180	170			161	165	197	230	
029	HF2-MID2	CW 7.043,55	50W	105	105	105			104	105	104		
030	HF2-MID1	CW 7.043,55	10W	32	32	30			31	31	31		
031	HF2-MIN	CW 7.043,55	5W	13	13	12			12	13	13		
032	HF3-MAX	CW 21.070,00	100W	167	175	168			161	160	195	230	
033	HF3-MID2	CW 21.070,00	50W	104	104	104			103	104	103		
034	HF3-MID1	CW 21.070,00	10W	32	32	30			31	31	31		
035	HF3-MIN	CW 21.070,00	5W	13	13	12	0		12	13	12		
036	50M-MAX	CW 50.095,00	100W	155	160	150			150	149	148		
037	50M-MID2	CW 50.095,00	50W	97	97	95			95	95	95		
038	50M-MID1	CW 50.095,00	10W	52	52	47			50	49	49		
039	50M-MIN	CW 50.095,00	5W	10	10	9	0		10	10	10		
040	VHF-PO-MAX	CW 145.375,00	50W	90	95	89			90	90	87		
041	VHF-PO-MID2	CW 145.375,00	20W	45	45	46			45	44	43		
042	VHF-PO-MIN	CW 145.375,00	5W	8	8	7	0		7	8	8		

N:\consulting\Daten\Jochen\Amateurfunk\Speicherplätze Funkgeräte\Yaesu FT-897 Servicemenu + Internal Menu.xls

no.	content	description	alignment / remarks	Factory "HOME"	DG2IAQ actually	USERS AVERAGE	QRPP	Callsign Model	PE1OPM	PY2EJ FT-857	RA9FRD FT-857	SV1EEX FT-897D	
		too high RX gain. Squelch problems or maybe damages under bad conditions.											
		Please check and correct that !!!											
	TOO LOW LEVELS	These BLUE marked levels should be raised up not to loose sensitivity or to eliminate strange effects.											