

mchf\_obj\_code\_size\_after\_gcc\_optimization

Directory	Object-Name	-O	-O1	-O2	-O3	-Og	'-Os'	-Ofast	-O2-fif-conversion	-O2-finline-functions	-O2-fbranch-target-load-optimize
./usb/otg/src	usb_dcd.o	4448	4448	4404	5392	4460	4336	5388	4404	4404	4404
./usb/otg/src	usb_core.o	12564	12564	12216	14684	12768	12076	14680	12216	12684	12216
./usb/otg/src	usb_dcd_int.o	2860	2860	2844	3024	5464	2696	3020	2844	2844	2844
./usb/otg/src	usb_hcd.o	2792	2792	2792	2944	2804	2788	2940	2792	2792	2792
./usb/otg/src	usb_hcd_int.o	8636	8636	8636	8636	8636	8636	8632	8636	8636	8636
./usb/usbd/class/audio/src	usbd_audio_core.o	6512	6512	6480	6404	6984	6380	6400	6480	6400	6480
./usb/usbd/class/audio/src	usbd_audio_out_if.o	3624	3624	3648	3676	4096	3544	3672	3648	3648	3648
./usb/usbd/class/cdc/src	usbd_cdc_core.o	4140	4140	4104	4100	4356	4084	4096	4104	4104	4104
./usb/usbd/core/src	usbd_ioreq.o	2304	2304	2304	2304	2304	2296	2300	2304	2304	2304
./usb/usbd/core/src	usbd_core.o	4080	4080	4092	4092	4272	4064	4088	4092	4092	4092
./usb/usbd/core/src	usbd_req.o	4092	4092	3824	3920	5636	3532	3916	3824	3920	3824
./usb/usbh/class/HID/src	usbh_hid_keybd.o	2348	2348	2340	2452	2348	2304	2436	2340	2340	2340
./usb/usbh/class/HID/src	usbh_hid_core.o	3676	3676	3584	3576	4612	3528	3572	3584	3584	3584
./usb/usbh/class/HID/src	usbh_hid_mouse.o	1384	1384	1376	1376	1384	1376	1372	1376	1376	1376
./usb/usbh/core/src	usbh_core.o	5232	5232	5276	5424	5444	5012	5420	5276	5424	5276
./usb/usbh/core/src	usbh_hcs.o	1860	1860	1832	1904	2064	1828	1900	1832	1832	1832
./usb/usbh/core/src	usbh_ioreq.o	3224	3224	3184	3164	3500	3152	3160	3184	3184	3184
./usb/usbh/core/src	usbh_stdreq.o	3468	3468	3504	3704	4200	3468	3680	3504	3504	3504
./syscalls	syscalls.o	1948	1948	1948	1948	1948	1940	1944	1948	1948	1948
./stdio	printf.o	7052	7052	7052	7040	7056	7068	7036	7052	7052	7052
./misc/v_eprom	eeeprom.o	3640	3640	3552	4628	4168	3456	4624	3552	4540	3552
./misc	config_storage.o	3788	3788	3832	3988	4072	3772	3984	3832	3988	3832
./misc	serial_eeeprom.o	6340	6340	6288	7864	6536	6296	7860	6288	7812	6288
./misc	profiling.o	944	944	944	944	944	944	940	944	944	944
./misc	TestCPlusPlusBuild.o	780	780	780	780	780	780	776	780	780	780
./hardware	mchf_board.o	6780	6780	6772	6828	9744	6744	6824	6772	6836	6772
./hardware	mchf_hw_i2c2.o	1396	1396	1396	1396	1396	1396	1392	1396	1396	1396
./hardware	mchf_hw_i2c.o	5116	5116	5300	6684	5152	4976	6680	5300	6684	5300
./drivers/audio/codec	codec.o	5208	5208	5728	6552	5224	5000	6572	5728	6412	5728
./drivers/audio/codec	i2s.o	2916	2916	2932	2932	2916	2920	2928	2932	2932	2932
./drivers/audio/cw	cw_gen.o	5264	5264	5304	5292	5776	5060	5288	5304	5292	5304
./drivers/audio/filters	fir_rx_decimate_4.o	1480	1480	1480	1480	1480	1480	1476	1480	1480	1480
./drivers/audio/filters	fir_rx_decimate_4_min_lpf.o	1024	1024	1024	1024	1024	1024	1020	1024	1024	1024
./drivers/audio/filters	fir_rx_interpolate_16_10kHz.o	1076	1076	1076	1076	1076	1076	1072	1076	1076	1076
./drivers/audio/filters	fir_rx_interpolate_16.o	1636	1636	1636	1636	1636	1636	1632	1636	1636	1636
./drivers/audio/filters	iir_15k_hpf_fm_squelch.o	1096	1096	1096	1096	1096	1096	1092	1096	1096	1096
./drivers/audio/filters	iir_10k.o	1092	1092	1092	1092	1092	1092	1088	1092	1092	1092

## mchf\_obj\_code\_size\_after\_gcc\_optimization

./drivers/audio/filters	iir_10k_neu.o	1100	1100	1100	1100	1100	1100	1096	1100	1100	1100
./drivers/audio/filters	iir_1_6k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_1_4k.o	1552	1552	1552	1552	1552	1552	1548	1552	1552	1552
./drivers/audio/filters	iir_1_8k.o	2216	2216	2216	2216	2216	2216	2212	2216	2216	2216
./drivers/audio/filters	iir_2_5k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_2_3k.o	1996	1996	1996	1996	1996	1996	1992	1996	1996	1996
./drivers/audio/filters	iir_2_1k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_2_7k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_2k7_tx_bpf_fm.o	1124	1124	1124	1124	1124	1124	1120	1124	1124	1124
./drivers/audio/filters	iir_2k7_tx_bpf.o	1788	1788	1788	1788	1788	1788	1784	1788	1788	1788
./drivers/audio/filters	iir_2_9k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_300hz.o	3108	3108	3108	3108	3108	3108	3104	3108	3108	3108
./drivers/audio/filters	iir_3_6k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_3_4k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_3_2k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_3_8k.o	1332	1332	1332	1332	1332	1332	1328	1332	1332	1332
./drivers/audio/filters	iir_4_2k.o	1116	1116	1116	1116	1116	1116	1112	1116	1116	1116
./drivers/audio/filters	iir_3k.o	1112	1112	1112	1112	1112	1112	1108	1112	1112	1112
./drivers/audio/filters	iir_4_4k.o	1116	1116	1116	1116	1116	1116	1112	1116	1116	1116
./drivers/audio/filters	iir_4_6k.o	1116	1116	1116	1116	1116	1116	1112	1116	1116	1116
./drivers/audio/filters	iir_4k.o	1112	1112	1112	1112	1112	1112	1108	1112	1112	1112
./drivers/audio/filters	iir_500hz.o	1996	1996	1996	1996	1996	1996	1992	1996	1996	1996
./drivers/audio/filters	iir_4_8k.o	1116	1116	1116	1116	1116	1116	1112	1116	1116	1116
./drivers/audio/filters	iir_5_5k.o	1116	1116	1116	1116	1116	1116	1112	1116	1116	1116
./drivers/audio/filters	iir_5k.o	1112	1112	1112	1112	1112	1112	1108	1112	1112	1112
./drivers/audio/filters	iir_6_5k.o	1116	1116	1116	1116	1116	1116	1112	1116	1116	1116
./drivers/audio/filters	iir_7_5k.o	1100	1100	1100	1100	1100	1100	1096	1100	1100	1100
./drivers/audio/filters	iir_6k.o	1112	1112	1112	1112	1112	1112	1108	1112	1112	1112
./drivers/audio/filters	iir_7k.o	1096	1096	1096	1096	1096	1096	1092	1096	1096	1096
./drivers/audio/filters	iir_8_5k.o	1100	1100	1100	1100	1100	1100	1096	1100	1100	1100
./drivers/audio/filters	iir_8k5_hpf_fm_squelch.o	1096	1096	1096	1096	1096	1096	1092	1096	1096	1096
./drivers/audio/filters	iir_8k.o	1096	1096	1096	1096	1096	1096	1092	1096	1096	1096
./drivers/audio/filters	iir_9_5k.o	1100	1100	1100	1100	1100	1100	1096	1100	1100	1100
./drivers/audio/filters	iir_antialias.o	2012	2012	2012	2012	2012	2012	2008	2012	2012	2012
./drivers/audio/filters	iir_9k.o	1096	1096	1096	1096	1096	1096	1092	1096	1096	1096
./drivers/audio/filters	iq_rx_filter.o	6272	6272	6272	6272	6272	6272	6268	6272	6272	6272
./drivers/audio/filters	iq_tx_filter.o	3480	3480	3480	3480	3480	3480	3476	3480	3480	3480
./drivers/audio/filters	iq_rx_filter_am.o	3600	3600	3600	3600	3600	3600	3596	3600	3600	3600

mchf\_obj\_code\_size\_after\_gcc\_optimization

./drivers/audio/softdds	dds_table.o	2924	2924	2924	2924	2924	2924	2920	2924	2924	2924
./drivers/audio/softdds	softdds.o	2432	2432	2564	2652	2360	2424	2648	2564	2652	2564
./drivers/audio	audio_filter.o	22412	22412	22484	22976	22580	22208	22972	22484	22484	22484
./drivers/audio	audio_management.o	7284	7284	7136	7292	7284	7008	7204	7136	7292	7136
./drivers/audio	freedv_test_data.o	776	776	776	776	776	776	772	776	776	776
./drivers/audio	freedv_mchf.o	16344	16344	16696	17304	16384	16288	17300	16696	17288	16696
./drivers/audio	audio_driver.o	49392	49392	50304	50856	51804	48028	50196	50304	50632	50304
./drivers/cat/usb	usbd_bsp.o	2572	2572	2552	2552	2572	2520	2548	2552	2552	2552
./drivers/cat/usb	usbd_cdc_vcp.o	2016	2016	1988	1988	1996	1968	1984	1988	1988	1988
./drivers/cat/usb	usbd_usr.o	2748	2748	2748	2748	2748	2748	2744	2748	2748	2748
./drivers/cat/usb	usbd_desc.o	3160	3160	3160	3160	3160	3132	3156	3160	3160	3160
./drivers/cat	cat_driver.o	5640	5640	5900	6376	5640	5344	6372	5900	5900	5900
./drivers/diag	Trace.o	764	764	764	764	764	764	760	764	764	764
./drivers/diag	trace_impl.o	768	768	768	768	768	768	764	768	768	768
./drivers/freedv	codebookdt.o	1568	1568	1568	1568	1568	1568	1564	1568	1568	1568
./drivers/freedv	codebook.o	1932	1932	1932	1932	1932	1932	1928	1932	1932	1932
./drivers/freedv	codebookd.o	2688	2688	2688	2688	2688	2688	2684	2688	2688	2688
./drivers/freedv	codebookge.o	3032	3032	3032	3032	3032	3032	3028	3032	3032	3032
./drivers/freedv	codebookkspmelvq.o	5696	5696	5696	5696	5696	5696	5692	5696	5696	5696
./drivers/freedv	codebookjnd.o	82288	82288	82288	82288	82288	82288	82284	82288	82288	82288
./drivers/freedv	codebookjvm.o	42044	42044	42044	42044	42044	42044	42040	42044	42044	42044
./drivers/freedv	codebookmel.o	1412	1412	1412	1412	1412	1412	1408	1412	1412	1412
./drivers/freedv	codebookres.o	1304	1304	1304	1304	1304	1304	1300	1304	1304	1304
./drivers/freedv	codebookvqanssi.o	21616	21616	21616	21616	21616	21616	21612	21616	21616	21616
./drivers/freedv	codec2_fft.o	2208	2208	2208	2208	2208	2204	2204	2208	2208	2208
./drivers/freedv	codebookvq.o	99736	99736	99736	99736	99736	99736	99732	99736	99736	99736
./drivers/freedv	dump.o	764	764	764	764	764	764	760	764	764	764
./drivers/freedv	fifo.o	3004	3004	2780	3040	3008	2724	3036	2780	3040	2780
./drivers/freedv	fm.o	5424	5424	5384	5368	5660	5300	5420	5384	5384	5384
./drivers/freedv	codec2.o	22184	22184	22156	22744	22608	21376	22816	22156	22420	22156
./drivers/freedv	cohpsk.o	21540	21540	21420	37252	23064	20804	37908	21420	27908	21420
./drivers/freedv	fmfsk.o	4304	4304	4300	4460	4400	4080	4468	4300	4300	4300
./drivers/freedv	freedv_data_channel.o	4232	4232	4116	4312	4388	4124	4308	4116	4172	4116
./drivers/freedv	freedv_vhf_framing.o	7488	7488	7616	8120	8044	7376	8088	7616	7616	7616
./drivers/freedv	fdmdv.o	29992	29992	29308	31488	32120	28688	30380	29308	31636	29308
./drivers/freedv	golay23.o	26696	26696	26696	26856	26820	26676	26852	26696	26696	26696
./drivers/freedv	freedv_api.o	21928	21928	21952	22256	21768	20992	22252	21952	21952	21952
./drivers/freedv	interp.o	4512	4512	4460	5468	4432	4320	6044	4460	5468	4460

mchf\_obj\_code\_size\_after\_gcc\_optimization

./drivers/freedv	linreg.o	1152	1152	1128	1128	1384	1092	1096	1128	1128	1128
./drivers/freedv	kiss_fft.o	3044	3044	2992	3128	3064	2932	3136	2992	2992	2992
./drivers/freedv	kiss_fft.o	4908	4908	5088	9608	5616	4440	9608	5088	5196	5088
./drivers/freedv	modem_stats.o	2756	2756	2724	2756	2696	2672	2720	2724	2724	2724
./drivers/freedv	lsp.o	2224	2224	2256	2272	2220	2124	2272	2256	2264	2256
./drivers/freedv	lpc.o	4008	4008	4016	4380	3988	3852	4440	4016	4356	4016
./drivers/freedv	fsk.o	18428	18428	18060	18140	22856	17368	17172	18060	18060	18060
./drivers/freedv	octave.o	3316	3316	3320	4120	3392	3292	4116	3320	3872	3320
./drivers/freedv	nlp.o	4320	4320	4244	4320	4256	4084	4792	4244	4244	4244
./drivers/freedv	phase.o	2032	2032	1960	1960	2032	1952	2128	1960	1960	1960
./drivers/freedv	pack.o	1512	1512	1516	1532	1508	1504	1528	1516	1532	1516
./drivers/freedv	postfilter.o	1996	1996	2004	2004	1988	1940	2024	2004	2004	2004
./drivers/freedv	varicode.o	4788	4788	4996	5660	4980	4480	5656	4996	5576	4996
./drivers/freedv	sine.o	6908	6908	6844	7380	6940	6668	7300	6844	7356	6844
./drivers/freedv	quantise.o	17576	17576	17832	20780	17744	17312	20580	17832	19224	17832
./drivers/keyboard/usb	usbh_bsp.o	3740	3740	3800	3812	3920	3788	3808	3800	3812	3800
./drivers/keyboard/usb	usbh_usr.o	4996	4996	4996	5060	5004	4952	5056	4996	4996	4996
./drivers/keyboard	keyb_driver.o	1588	1588	1580	1580	1588	1576	1576	1580	1580	1580
./drivers/ui/encoder	ui_rotary.o	3252	3252	3220	3220	3272	3216	3216	3220	3220	3220
./drivers/ui/lcd	ui_lcd_hy28_fonts.o	17392	17392	17392	17392	17392	17392	17388	17392	17392	17392
./drivers/ui/lcd	ui_lcd_hy28.o	21928	21928	22156	34756	22276	21980	34752	22156	35520	22156
./drivers/ui/lcd	ui_spectrum.o	52784	52784	51968	52288	53224	51404	52168	51968	52088	51968
./drivers/ui/oscillator	ui_si570.o	7216	7216	7176	6860	9584	7140	7588	7176	6868	7176
./drivers/ui	ui_configuration.o	13120	13120	13160	14064	13332	12992	14060	13160	13896	13160
./drivers/ui	ui_menu.o	52632	52632	46780	54984	48440	43500	54988	46780	54908	46780
./drivers/ui	ui_driver.o	66884	66884	66508	85628	73544	61292	85208	66508	78540	66508
./cmsis_lib/source	misc.o	1720	1720	1716	1716	1728	1716	1712	1716	1716	1716
./cmsis_lib/source	stm32f4xx_dac.o	3816	3816	3820	3812	3820	3776	3808	3820	3812	3820
./cmsis_lib/source	stm32f4xx_adc.o	7388	7388	7388	7340	7412	7336	7336	7388	7340	7388
./cmsis_lib/source	stm32f4xx_dma.o	4340	4340	4264	4272	4348	4200	4268	4264	4272	4264
./cmsis_lib/source	stm32f4xx_exti.o	2192	2192	2172	2172	2196	2164	2168	2172	2172	2172
./cmsis_lib/source	stm32f4xx_fsmc.o	4688	4688	4584	4584	4816	4524	4580	4584	4584	4584
./cmsis_lib/source	stm32f4xx_flash.o	6896	6896	6868	8608	6896	6808	8604	6868	8608	6868
./cmsis_lib/source	stm32f4xx_i2c.o	7732	7732	7772	7772	7732	7756	7768	7772	7772	7772
./cmsis_lib/source	stm32f4xx_gpio.o	3364	3364	3408	3408	3368	3248	3404	3408	3408	3408
./cmsis_lib/source	stm32f4xx_pwr.o	2888	2888	2896	2896	2888	2884	2892	2896	2896	2896
./cmsis_lib/source	stm32f4xx_spi.o	5132	5132	5124	5116	5148	5028	5112	5124	5124	5124
./cmsis_lib/source	stm32f4xx_rcc.o	8752	8752	8708	8708	8784	8624	8704	8708	8708	8708

mchf\_obj\_code\_size\_after\_gcc\_optimization

./cmsis_lib/source	stm32f4xx_syscfg.o	1940	1940	1944	1944	1968	1940	1940	1944	1944	1944
./cmsis_lib/source	stm32f4xx_wwdg.o	2152	2152	2156	2156	2156	2156	2152	2156	2156	2156
./cmsis_lib/source	stm32f4xx_rtc.o	12956	12956	12516	12660	12968	12704	12656	12516	12664	12516
./cmsis_lib/source	stm32f4xx_usart.o	5952	5952	5972	5972	5984	5816	5968	5972	5972	5972
./cmsis_lib/source	stm32f4xx_tim.o	16368	16368	16288	16256	16696	16104	16252	16288	16252	16288
./cmsis_boot/startup	startup_stm32f4xx.o	10440	10440	10444	10468	10424	10432	10464	10444	10444	10444
./cmsis_boot	system_stm32f4xx.o	1220	1220	1220	1220	1220	1220	1216	1220	1220	1220
./	main.o	5856	5856	6084	6200	5864	6032	6196	6084	6084	6048
./	main.elf	741836	741836	740088	801072	749748	742308	800784	740088	800508	740088
./	main.bin	438076	438076	434212	476620	439188	416100	475940	434212	465252	434212