Options:

-ainp FILE	change default ascii input parameter filename to FILE
-binp FILE	change default binary input parameter filename to FILE
-est	only do the parameter estimation
-noest	do not do the parameter estimation (optimization)
-ind FILE	change default input data filename to FILE
-lmn N	use limited memory quasi newton -- keep N steps
-lmn2 N	use other limited memory quasi newton -- keep N steps
-ilmn N	use other limited memory quasi newton for random effects models - keep N steps
-dd N	check derivatives after N function evaluations
-lprof	perform profile likelihood calculations
-maxph N	increase the maximum phase number to N
-mcdiag	use diagonal covariance matrix for mcmc with diagonal values 1
-mcmc [N]	perform markov chain monte carlo with N simulations
-mcmult N	multiplier N for mcmc default
-mcr	resume previous mcmc
-mcrb N	reduce amount of correlation in the covariance matrix 1<=N<=9
-mcnoscale	don't rescale step size for mcmc depending on acceptance rate
-nosdmcmc	turn off mcmc histogram calcs to make mcsave run faster
-mcprobe N	use probing strategy for mcmc with factor N
-mcgrope N	Deprecated, same as -mcprobe
-mcseed N	seed for random number generator for markov chain monte carlo
-mcscale N	rescale step size for first N evaluations
-mcsave N	save the parameters for every Nth simulation
-mceval	go through the saved mcmc values from a previous mcsave
-nuts	MCMC draws with the no-U-turn sampler
-rwm	MCMC draws with a Metopolis sampler.
-mcu	use uniformly distributed steps for mcmc instead of random normal
-crit N1,N2,...	set gradient magnitude convergence criterion to N

-iprint N print out function minimizer report every N iterations (default 20).

-maxfn N1,N2,.. set maximum number opf function eval's to N

-rs if function minimizer can't make progress rescale and try again

-nox suppress vector and gradient values in minimizer screen report

-phase N start minimization in phase N

-simplex use simplex for minimization -- deprecated, use -neldmead

-neldmead use Nelder-Mead simplex algorithm for minimization

-nohess don't do hessian or delta method for std dev

-eigvec calculate eigenvectors of the Hessian

-sdonly do delta method for std dev estimates without redoing hessian

-ams N set arrmblsize to N (ARRAY_MEMBLOCK_SIZE)

-cbs N set CMPDIF_BUFFER_SIZE to N (ARRAY_MEMBLOCK_SIZE)

-mno N set the maximum number of independent variables to N

-mdl N set the maximum number of dvariables to N

-gbs N set GRADSTACK_BUFFER_SIZE to N (ARRAY_MEMBLOCK_SIZE)

-hess_step N take N Newton steps with inverse Hessian

-hess_step_tol eps set hess_step tolerance to eps

-mip N set maximum the number of initial parameters to a value N that is greater than zero (default is 4000).

-display N N sets display output with '0' for quiet display, '1' for concise display, or '2' for legacy display (default is 1).

-info show how to cite ADMB, license, and acknowledgements

-version show version information

-help show this message

Random effects options if applicable

-nr N maximum number of Newton-Raphson steps

-imaxfn N maximum number of evals in quasi-Newton inner optimization

-is N set importance sampling size to N

-isf N	set importance sampling size funnel blocks to N
-isdiag	print importance sampling diagnostics
-hybrid	do hybrid Monte Carlo version of MCMC
-hbf	set the hybrid bounded flag for bounded parameters
-hyeps	mean step size for hybrid Monte Carlo
-hynstep	number of steps for hybrid Monte Carlo
-noinit	do not initialize RE before inner optimization
-ndi N	set maximum number of separable calls
-ndb N	set number of blocks for RE derivatives (reduce temp file size)
-ddnr	use high precision Newton-Raphson, for banded Hessian case only
-nrdbg	verbose reporting for debugging newton-raphson
-mm N	do minimax optimization
-shess	use sparse Hessian structure inner optimzation