> Oh! And how do I set default values? For example, to make s2 always
> equal 10 if no other value is provided in the call.

pro name, mode, s1=s1, s2=s2
s2=n_elements(s2) ne 0 ? s2 : 10
...
end

Which you could then call as

name, 2, s2=100

It would make s2=10 if it is not provided (or is given an undefined
variable).

By the way, it could also be called with

name, s2=100, 2

as it does not matter in which order you supply the keywords.