

Microsoft SideWinder Force Feedback Wheel

Microsoft SideWinder •í,ð, "f,¢ä, °,¢,½,¾,«A, ,è,¤,Æ,¤,², ¢,Ü,·B

Microsoft SideWinder Force Feedback Wheel



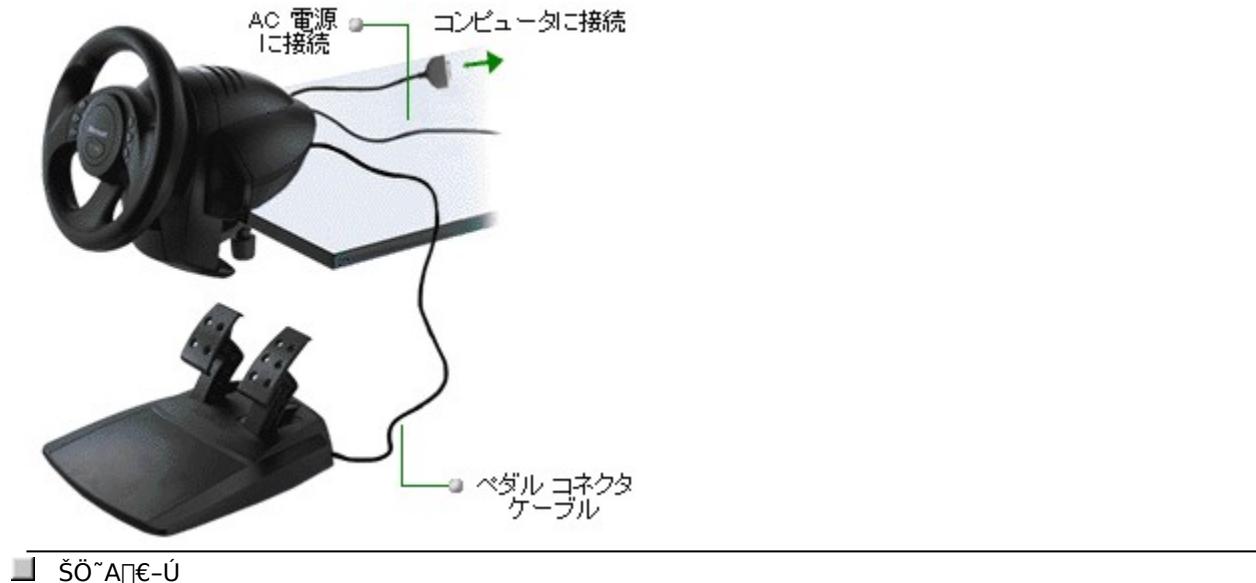
fhf%ofCfrf“fO fQ[]f€
,äSi’i,É, „,à,µ,ë,-
,É,è,Ü,·BSideWinder
Force Feedback Wheel
,ÅftfH[]fX
ftfB[]fhfofbfN‘
‰ož,¡fQ[]f€
,ðfvfŒfC,·,é,ÆA,í,¾,¿
AfifCf<,É,æ,éfXfŠfbfv[]Af
hfSftfg[]AfNf‰fbfVf...
,É,Ç,ð'ÍS' ,Å,«,é,æ,¤
,É,È,è,Ü,·BftfH[]fX
ftfB[]fhfofbfN,É
‰Å,¡ASideWinder
Force Feedback Wheel
,ÍSv[]V“I,ÈfffUfCf“[]A
‰oð“K,ÈŽg—
p«, ,æ,Ñ,“x,Èfvf[]fOf
‰of}frfŠfefB,¡<@”,ð'Ç
‰Å,µ,Ü,µ,½B
ftfH[]fX
ftfB[]fhfofbfN,ð'í
‰ož,µ,Å,¢,É,¢fQ[]f€
,Å,íA SideWinder Force
Feedback Wheel
,í’È[]i,¡fRf“fgf[]f‰
,Æ,µ,Å<@”\
,µ,Ü,·,¤AŽÝ,¡,æ,¤,È'Ç
‰Å<@”\,¤, ,è,Ü,·B

- fffWf^f<
f,[]fh,É,æ,Å,Ä
Windows 95
,Ü,½,í,»,ê^È[]~,ÅŽÀ[]
s,·,éfQ[]f€
,Å,¡zfC[]f<,¡fpftfH[]f
}f“fX,¤Œü[]ä,µ,Ü,·B
- fzfC[]f<,¡ 8
ŒÅ,¡fx[]fX
f{f^f“,É,æ,Å,Ä
Windows 95
,Ü,½,í,»,ê^È[]~,ÅŽÀ[]
s,·,éfQ[]f€“¤,Å'Ç
‰ÅfAfNfVftf“,¤Žg—
p,Å,«,Ü,·B

SideWinder Force Feedback Wheel ,õfZfbfgfAfbfv,·,é

SideWinder Force Feedback Wheel ,õfZfbfgfAfbfv,·,é,É,í

- 1 Š÷,âfeõ[ufuf<,ÉfzfCõ[f<,ðŽæ,è•t,~,Ü,·õB
- 2 fzfCõ[f<,ijRf“fõ[f<,Éfyf_õ<,ðõÚ’±,μ,Ü,·õB
- 3 fzfCõ[f<,ðfRf“fsf...õ[f^,ÆAC “dŒ¹,ÉõÚ’±,μ,Ü,·õB



■ ŠÖ~Aõ€-Ú

Š÷,âfe|[fuf<,ÉfzfC|[f<,ðCEÀ'è,·,é

fzfC|[f<,íA1.6cm ,©,ç 3.5cm ,Ü,À,ìŒú,³,É'²@®,À,«,éfNf%of"fv,ðŽg,À,ÄŠ÷,âfe|[fuf<,ÉCEÀ'è,μ,Ü,·B

fzfC|[f<,ðCEÀ'è,·,é,É,í

- 1 fNfCfbfNjŠfŠ|[fX fŒfo|[,ðŠJ•úó'Ô (fe|[fuf<-È,Æ|[,¹/₄,É,È,À,À,¢,éó'Ô)
,É,µA'²BflfW,ðŠÉ,ßAfzfC|[f<,ÆfRf"fl|[f<,ðŠ÷,âfe|[fuf<,íä,É'u,«,Ü,·B
- 2 fRf"fl|[f<,í"w-È,âfe|[fuf<,í'O-È,ÉŒÚG,·,é,Ü,Àfe|[fuf<,í‰œ,ÉŒü,©,Á,À‰Y,µž,Ý,Ü,·B•K—
v,Éê‡,É,íAfQ|[f€,ð‰ö"K,É,À,«,é^È'u,É,È,é,æ,¤,ÉAfRf"fl|[f<,ð‰E,Ü,½,í¶,É"®,©,μ,À,,³/₄,³,¢B
- 3 Š÷,âfe|[fuf<,í'ê-È,ÉŒG,é,é^È'u,Ü,ÀfNf%of"fv,í'²BflfW,ðŽŒv‰ñ,è,É
‰ñ,μ,Ü,·B•ÀŒä,ÉA'²BflfW,ð^‰ñ"ZžŒv,Æ<†‰ñ,è,É‰ñ,μ,ÀAfNf%of"fv,ð—LŒø,É,μ,Ü,·B
- 4 fNfCfbfNjŠfŠ|[fX fŒfo|[,ð'Ø•ù (fe|[fuf<,í'ê-È,í•ùŒü) ,É‰Y,µAfbfN,³,é,é,±,Æ,ðŠm"F,μ,Ü,·B

f||f,

- fe|[fuf<,âŠ÷,í"V"À,³ 1.6cm ,æ,è,à"-,¢ê‡,íAfe|[fuf<,í‰œ-È,Æ'²@®flfW,íŠO,É
‰½,©,ð²,ÝA"V"À,ð 1.6cm ,æ,èŒú,,μ,Ü,·B
- fzfc|[f<,íAŒú,³,³ 3.5cm ,ð',í,é"V"À,É,íŒÀ'è,μ,È,¢,À,,³/₄,³,¢BfNfCfbfNjŠfŠ|[fX
fŒfo|[,ðf]fbfN,·,é,Æ,«,É—]•²,È—í,‰œÁ,í,èAfNf%of"fv,‰œó,é,‰œÀ"\¶,é,Ü,·B
- "V"À,©,çfzfC|[f<,ðŽæ,èŠO,·ê‡,íAfNfCfbfNjŠfŠ|[fX fŒfo|[,ðŠJ•ú^È'u,É-ß,µAfzfC|[f<,ÆfRf"fl
|[f<,ðŽè'O,É^Ø,¢,Æfe|[fuf<,©,çŠO,μ,Ü,·B,±,í,Æ,«A'²@®flfW,ðŠÉ,ß,é•K—v,í,è,Ü,¹,ñB

■ ŠÖ~AŒ-Ú

fzfc[f<,Éfyf_f<,ð]Ú'±,·,é

fzfc[f<,ífRf“f]Ú'±,·,é,É,i

1 Š÷,âfe[]uf<,í‰o°,íº-Ê,Éfyf_f<,ð'u,<«A‰oõ“K,ÉfQ[]f€,º,Å,«,é,æ,¤,É^Ê'u,ð'²®,µ,Ü,·B

2 fyf_f< ftjjfbfg,í 4 fsf“,ífRflNf^,ðfzfC[]f< fRf“f]f<"w-Ê,íufyf_f< v,Æ<L,³,ê,½ 4 fsf“ f|[]fg,É]Ú'±,µ,Ü,·Bfyf_f<,ífRflNf^,ífRf“fsf...[]f^,É'¼]Ú]Ú'±,µ,Ê,¢,Å,,³/₄,³,¢B

f]f,

• Force Feedback Wheel ,íAfQ[]f€,íží-p,É‰ož,¶,ÄAfyf_f<, ,è/fyf_f<,È,µ,í,ç,ç,Å,àžg—p,Å,«,Ü,·B

• fQ[]f€,É,æ,Å,Ä,íAfyf_f<,äžg—p,Å,«,È,¢,±,Æ,à, ,è,Ü,·B,»,íé‡ASideWinder fQ[]f€ fRf“fgf[]f‰o fvf[]ftf@fCf‰,ðžg,Å,ÄAfyf_f<,í@"\,ðfgfšfK ftf^f“,Éš,,è"-,Å,é,±,Æ,º‰Å"\,Èé‡,à, ,è,Ü,·B

■ ŠÖ~A]€-Ú

fzfC[f<,ðfRf“fsf...][f^,Æ AC “dCE¹,ÉÚ’±,·,é

,Ù,Æ,ñ,Ç,ìøéø‡øAfQ[f€ fRf“fgf[]f%o,ðfRf“fsf...][f^,ÉÚ’±,·,é,½,ß,ÉfRf“fsf...][f^,ì“dCE¹,ð,«,é•K—v,í, ,è,Ü,ñ,øøAfRf“fsf...][f^,É’•...,³,ê,Ä,¢,éfTfEf“fh fj[]fh,É,æ,Ä,Ä,íøA”dCE¹,ðøØ,Á,½øÓ,ÅÚ’±,·,é•K—v,ì, ,é,à,ì,³, ,è,Ü,·øB

- 1 fRf“fsf...][f^,ì“w-É,É, ,é 15 fsf“,ìfQ[f€ f]fg,ì“É’u,ðSm”F,μ,Ü,·øB’ÉøíøAfTfEf“fh fj[]fh,ìf}fCfN,âfXfs[]f—p,ìf]fg,ì—x,é”z’u,³,ê,Ä,¢,Ü,·øB
- 2 fRf“fsf...][f^,ìfQ[f€ f]fg,ÉfQ[f€ fRf“fgf[]f%o,ì 15 fsf“,ìfRf]fNf^,ðøÚ’±,μøAŠmžA,Éø·,μøž,Ü,é,Ä,¢,é,±,Æ,ðSm”F,μ,Ü,·øB
- 3 fzfc[f< fRf“f[]f< “w-É,ì uPowerv ,Æ<L,³,ê,Ä,¢,é AC “dCE¹f]fg,ì“É’u,ðSm”F,μ,Ü,·øB
- 4 AC fAf_fvf^,ìfpf[]fP[fuf<,ðfQ[f€ fRf“fgf[]f%o,ì AC “dCE¹f]fg,Éø·,μøž,Ý,Ü,·øB
- 5 AC fAf_fvf^,ð•CfRf“fZf“fg,Éø·,μøž,Ý,Ü,·øB

f]f,

- AC fAf_fvf^,íøA•K,,ø>•i,É•t’®,μ,Ä,¢,é,à,ì,ðZg—p,μ,Ä,,¾,³,¢øB,>,ì‘¼,ì AC fAf_fvf^,ðZg—p,,·,é,ÆøACøiá,â%øiøD,ìCE ‘^ö,É,È,é,Ü,·øB
- ,“žg,¢,ìfRf“fsf...][f^,ÉøAf]fbfgf[]fN fj[]fh,È,CfQ[f€ f]fg,ì“ÉŠO,ì 15 fsf“,f]fg,øžæ,è•t,“,ç,ê,Ä,¢,éøéø‡,íøAfQ[f€ fRf“fgf[]f%o,ð,“,ìf]fg,ÉøÚ’±,μ,È,¢,æ,¤,É’øÓ,μ,Ä,,¾,³,¢øBøé,Ä,ÄøÚ’±,·,é,ÆøAfRf“fsf...][f^,âfQ[f€ fRf“fgf[]f%o,ìCE ‘^ö,Æ,È,é,±,Æ,³, ,è,Ü,·øB
- •CfRf“fZf“fg,íøAfQ[f€ fRf“fgf[]f%o,ìøB,É, ,èøAŠÉ’P,Éžè,“í,,à,ì,ðZg—p,μ,Ä,,¾,³,¢øB
- fzfc[f< fRf“f[]f<,ìøä-É,“,æ,Ñ”w-É,É, ,é’ÈøCøE,íøAfzfC[]f<“à,É, ,éf,ø[f^ø[,ì—âøpfVfXfef€,ì-ðS,,ðZø,ø,Ü,·øBfzfC[]f<,øf]fo[foø[fg,μ,È,¢,½,ß,É,àøAfzfC[]f<Zg—p’t,ì’ÈøCøE,ð,Ó,³,³,È,¢,Ä,-¾,³,¢øB
- ftfH[]fx ftfB[]fhfofbfN,ðZg—p,,·,é,É,íøAfzfC[]f<,ðfTfEf“fh fj[]fhøä,ìfQ[f€ f]fg,ÉøÚ’±,μøAŠO•”,ì MIDI ,øžg,ì,éøó’Ø,ÉfTfEf“fh fj[]fh,ðøÝ’è,,é•K—v,³, ,è,Ü,·øB,Ü,½øAfzfH[]fx ftfB[]fhfofbfN’ì %øž,ìfQ[f€,à•K—v,Ä,·øB

■ ŠÖ~Aø€-Ú

fzfcC[f<,išceäfefXfg,ðs,x

fzfcC[f<,if{f^f”Afefbf fg fyf_f< AfzfC[f<,a³í,É“®ì,μ,Ä,¢,é,©,Ç,¤,©,íA[fRf“fgf[] [f< fpflf<],i [fQ[f€ fRf“fgf[] [f%o],Äsm”F,Ä,«,Ü,·B

1 ,±,± [fNfŠfbfN,μ,Ä [fRf“fgf[] [f< fpflf<],ðSj,«A[fQ[f€ fRf“fgf[] [f%o],ðf_fuf< fNfŠfbfN,μ,Ü,·B
2 [fRf“fgf[] [f%o],jŠfXfg f{fbfNfx,©,ç SideWinder Force Feedback Wheel ,ðl’ð,μA[fvf]fpfefB]
,ðfNfŠfbfN,μ,Ü,·B

3 [fefXfg] f^fu,ðfNfŠfbfN,μAfefXfg,·é SideWinder Force Feedback Wheel ,if{f^f”,ð%oÝ,μ,Ä,-
,¾,³,¢B%oæ-Éä,í‰ž,‘ef{f^f”,ðCð,ê,íAf{f^f”,í³í,É“®ì,μ,Ä,¢,Ü,·B

4 fzfcC[f<,ð¶%oE,É%oñ,μ,Ä Force Feedback Wheel
,ðfefXfg,μ,Ü,·BfzfC[f<,ð'€ì,μ,ÄAfXfNfŠ[] [f“,É•ž!,³,ê,Ä,¢,éfzfC[f<,É“®,«,a, ,ê,íAfzfC[f<,í³í,É“®ì,μ
,Ä,¢,Ü,·B

■ ŠÖ~A€-Ú

fzfc[] [f<,iftfH[] [fx,ðfefXfg,·,é

SideWinder Force Feedback Wheel ,É,íAftfH[] [fx ftfB[] [fhfofbfN'‰ž,ifQ[] [f€,ðŽ,Á,Ä,¢,È,,Ä,àftfH[] [fx ftfB[] [fhfofbfN,i<@"\,ðfefXfg,Á,«,é,æ,¤,É,A,ç,©,¶,ß,¢,,Ä,©,iftfH[] [fx,a'g,Y,ž,Ü,ê,Ä,¢,Ü,·BfQ[] [f€,É %o½,©-â'è,¤,é,ÆS',¶,½é,àAfefXfg ftfH[] [fx,ðŽg,Á,Ä-â'è,ìCE`^ö,äfQ[] [f€ ,É, ,é,ì,©fzfC[] [f<,É, ,é,ì,©,ðSm" F,Á,«,Ü,·B

- 1 ,±,± [■,ðfNfŠfbfN,μ,Ä [fRf"fgf[] [f< fpflf<] ,ðSJ,« A[fQ[] [f€ fRf"fgf[] [f‰o] ,ðf_fuf< fNfŠfbfN,μ,Ü,·B
- 2 [fRf"fgf[] [f‰o] ,ðfŠfXfg f{fbfNfX,©,ç [Microsoft SideWinder Force Feedback Wheel]
,ð'l'ð,μ A[vfv[] ppefB] ,ðfNfŠfbfN,μ,Ü,·B
- 3 [ftfH[] [fx] f^fu,ðfNfŠfbfN,μ,Ü,·B
- 4 ftfH[] [fx ftfB[] [fhfofbfN,a'fj" ,É,È,Á,Ä,¢,é,±,Æ,ðSm" F,μ,Ä,,¾,³,¢ BfzfC[] [f<,ì't[] S,É, ,éftfH[] [fx f{f^f" ,if‰of"fv,¤" ,μ,Ü,·B,±,if‰of"fv,¤" ,μ,È,¢é,ìAftfH[] [fx f{f^f" ,ð‰oY,μ,Ä,,¾,³,¢ B
- 5 fzfc[] [f<,ð^¬,Á,½o'Ô,Á,¢, ,é,©,if{f^f" ,ð‰oY,μ A,» ,if{f^f" ,iftfH[] [fx,ðS',¶,Ä,- ,¾,³,¢ B] ðí,É" @ì,μ,Ä,¢,é,ìA,» ,é,¼,é,if{f^f" ,É'‰ž,·,é^Ü,É,éftfH[] [fx,ðS',¶,ç,é,Ü,·B

f[] f,

- ftfH[] [fx,ðS',¶,ç,é,È,¢é,ìA"Y,¢ A"rØ,é,é A'x,é,é,Æ,¢,Á,½Œ» Ü,¤'u,«,é,é,ìA[ñ,íA[ñ,ñ]
f^fu,ðfNfŠfbfN,μ A[fgf‰ofuf< fVf... ð[fefBf" fO] f{f^f" ,ðfNfŠfbfN,μ,Äfgf‰ofuf< fVf...
ð[fefBf" fO,ð<N" ®,μ,Ü,·B
- fTf"fvf< ftfH[] [fx,ì't,É,íAftfH[] [fx,ifCEfxf<,¤ [žä],É,È,Á,Ä,¢,é,ÆS',¶,É,,¢,à,ì,¤, ,é,Ü,·B,É,- ,¢é,ìA[ñ,íA[ñ,é] fy W,ì ftfH[] [fx] ,ifCEfxf<,ð [t],Ü,½,í [<] ,É,μ,Ä,©,ç A"xfefXfg,μ,Ä,,¾,³,¢ B

■ ŠÖ~A€-Ú

fQ][f€—p,iftfH][fX,ì<,³,ð]Ý'è,.,é

fQ][f€'t,ÉfzfC][f<,ð'È,μ,ÄS',¶,ç,é,éftfH][fX ftfB][fhfofbfN,ì<,³,í]A[fRf“fgf][f< fpflf<],í [fQ][f€ fRf“fgf][f%o],Ä]Ý'è,μ,Ü,·]B

1 ,±,± [] ,ðfNfŠfbfN,μ,Ä [fRf“fgf][f< fpflf<],ð]J,«]A[fQ][f€ fRf“fgf][f%o],ðf_fuf<fnfŠfbfN,μ,Ü,·]B

2 [fRf“fgf][f%o],í]ŠfXfg f{fbfNfX,©,ç [Microsoft SideWinder Force Feedback Wheel]

,ð'l'ð,μ]A[vvf]fpfefB],ðfNfŠfbfN,μ,Ü,·]B

3 [] ,ð]Y'è] f^fu,ðfNfŠfbfN,μ,Ü,·]B

4 [ftfH][fX ftfB][fhfofbfN] fXf%o]Cf_,ð [f]ft]A[Zã]A[']t],Ü,½,í [<],í^È'u,Ü,Åfhf

%fbfO,μ]A[fQ][f€'t,É]S',·,éftfH][fX,ì<,³,ð]Ý'è,μ,Ü,·]B

■ ŠÖ~A]€-Ú

fZf“f^fŠf“fO ftfH[fX,ð]Y’è,·,é

fZf“f^f[^É’u,©,çfzfC[f<,ð]U“®,·,é,ì,É•K—v,È—í,ì<,³,íA[fRf“fgf[f< fpflf<],í[fQ[f€ fRf“fgf[f%oo],ífvf]fpfefB,ðZg,A,Á]Y’è,μ,Ü,·]B

1 ,±,± ■ ,ðfNfŠfbfN,μ,Ä [fRf“fgf[f< fpflf<],ðŠ],«A[fQ[f€ fRf“fgf[f%oo],ðf_fuf:fNfŠfbfN,μ,Ü,·]B
2 [fRf“fgf[f%oo],ífŠfXfg f{fbfNfx,©,ç [Microsoft SideWinder Force Feedback Wheel]

,ð'l'ð,μ]A[fvf]fpfefB],ðfNfŠfbfN,μ,Ü,·]B

3 []Y’è] f^fu,ðfNfŠfbfN,μ,Ü,·]B

4 fQ[f€'t,ÉfzfC[f<,©,çŽó, ,é'i]R,ð,C,ì'ö"x,É,·,é,©,É%oož,¶,Ä]A[fZf“f^fŠf“fO],ífXf%o]Cf_,ð
[f]ft]A[Žã]A[t]A[<],í,ç, ,é,©,Éfhf%o]fbfO,μ,Ü,·]BŽè,í“®,«,É'í,·,é'i]R,ð]A]¬,É,·,é,É,í[Žã]
,ð]A]A]å'å,É,·,é,É,í[<],ð'l,ñ,Å,,³,ç]B

■ ŠÖ~A]€-Ú

SideWinder Force Feedback Wheel —p,ÉfQ[]f€,ð]Y'è,·,é

fQ[]f€,É,æ,Á,Ä,íASideWinder Force Feedback Wheel ,í<@"/,ð]A'åŒÀ,ÉŠ^—
p,·,é,½,ß,ÉfzfC[]f<,í]Y'è,ð•í]X,μ,È,·,é,î,È,ç,È,¢,±,Æ,¤, ,è,Ü,·BfQ[]f€,¤]A

- ftfH[]fX,íŒø‰È,ð Y Ž²,É'—,é]ê]‡,í]A[fRf“fgf]f]f< fpf]f< ,í [fQ[]f€ fRf“fgf]f]f%o] ,É, ,é []Y'è] ,Å X
Ž²•ûŒü,íftfH[]fX,¤ Y Ž²,É”` ,í,é,æ,¤,É]Y'è,μ,Ü,·BSideWinder Force Feedback Wheel ,í]AX
Ž²•ûŒü,É‰À,¡,ç,è,½—í,¾,·,ðŒÝ]o,·,é,æ,¤,È,è,Ü,·B
- fXf]fbfgf<,ÆfufŒ[]fL,ð•È]X,É]§Œä,·,é]ê]‡,í]Afvf]ftf@fCf< fGfffBf^,í []Y'è] ,Å [’P“Æ,ÅŽg,¤]
,ð'I,Ñ,Ü,·B



ŠÖ~A]€-Ú

fzfc[f<,Æfyf_f<,l'²]®

ŽŶ,ì,¢,,ê,©,í,ò<Æ,ð,s,¤,ÆASideWinder Force Feedback Wheel

,ífyf_f<,Æfzfc[f<,l'²]®,¤Ž©“®”I,ÉŽA,s,³,ê,Ü,·B

- SideWinder fQ[f€ fRf“fgf[] [f%o fftfgfEfFfA 3.0 ,ðfCf“fxfg[] [f<,·,é]B
- fRf“fsf...[f^,ð]A<N“®”,·,é]B

d-v

fzfC[f<,]fZf“f^u,ð³,μ,]Y’è,·,é,½,ß,É]AfRf“fsf...[f^,í,AfzfC[f<,äfyf_f<,ð'€]i,μ,È,¢,Å,-,³/₄,³,¢]B

fif,

- fQ[f€, È, æ, Á, Ä, í,AfzfC[f<,Ü,½,ífyf_f<,í,Ä'²]®,¤—v<,³,ê,é,±,Æ,¤, è,Ü,·B•K—v,È,é,‡,É,í,AfQ[f€ ,í,ŽwŽ],É]A,Á SideWinder Force Feedback Wheel ,Ü,½,ífyf_f<,l'²]®,ð,s,Á,Ä,,³/₄,³,¢]B
- [fRf“fgf[] [f< fpflf<],í,fQ[f€ fRf“fgf[] [f%o],Å]AMicrosoft SideWinder Force Feedback Wheel ,í,ó,Ô,¤ [OK],Å]AfRf“fgf[] [f%o 1 ,¤S,,è“-,Á,ç,ê,Á,¢,é,±,Æ,ðšm”F,μ,Ü,·B,± ,í,Y’è,ÉSO,Á,í,Až©“®’²]®]Y’è,íZg—p,³,ê,Ü,¹,ñ]B ,±,± ■ ,ðfNfŠfbfN,·,é,Æ]A[fRf“fgf[] [f< fpflf<],í,fQ[f€ fRf“fgf[] [f%o],¤šJ,«,Ü,·B



ŠÖ~A]€-Ú

SideWinder Force Feedback Wheel ,í'Rf“fgf□□[f<ŠT—v

□},í't,í'Rf“fgf□□[f<,ðfNfŠfbfN,·,é,Æ□A,»,í'Rf“fgf□□[f<,É,Â,¢
,Ã,ÍŠE'P,E□à-¾,²•Ž!,³,ê,Ü,·□B



f□f,

- SideWinder fQ□[f€ fRf“fgf□□[f%o fvftgfEfFfA,ðŽg—p,µ,Ã,¢
,é,ê,ò,í,AfQ□[f€ fRf“fgf□□[f%o fvftf@fCf%o
,ðŽg,Ã,Ä,AfL□[f{,fh'€,ò,ð SideWinder Force Feedback
Wheel ,í,A□AB□AC□AX□AY□A Z ,íšef{f^f“ (f{f^f“ 1 ,®,ç
6) ,ÆfgfŠfK f{f^f“ (f{f^f“ 7 ,Æ 8),ÉŠ,,è“-,Ã,é,±
,Æ,²,Ã,«,Ü,·□B

,±,± ■,ðfNfŠfbfN,·,é,Æ [fvftf@fCf< fzfCEfNf^] ,²ŠJ,«,Ü,·□B

■ ŠÖ~A□€-Ú

fzfc([f<,]f{f^f“ (A)AB)AC)AX)AY)AZ)

,±,ê,ç,lf{f^f“,ižg,¢•û,íAfQ)f€
,É,æ,Á,Ä^Ü,È,è,A’t,É,^ê•”,lf{f^f“,µ,©žg—p,µ,È,¢,à,ì,à, ,è,Ü
,·BŠef{f^f“,l<@”\,É,Á,¢,Á,íAfQ)f€,lf}ff...
fAf<,ÄSm”F,·,é,©íAfQ)f€’t,Éf{f^f“,ð‰Y,µ,Ä,,¾,³,¢B



fif,

- žg—p,Á,«,éf{f^f“,i”,íAfQ)f€
,É,æ,Á,Ä^Ü,È,è,Ü,·BfQ)f€’t,Éžg—p,Á,«,éfzfc([f<
f{f^f“,i”,âAfQ)f€”à,Á,šef{f^f“,l<@”\,É,Á,¢
,Á,íAfQ)f€,lf}ff...fAf<,ðžQ)Æ,µ,Ä,,¾,³,¢B
- SideWinder fQ)f€ fRf“fgf)f%o fvf)f@fCf%o
,ðžg,Á,ÄAfQ)f€ fAfNfVf)f“,ð,±,ê,ç,lf{f^f“,ÉS,,è“-,Ä,é,±
,Æ,²,Á,«,Ü,·B

,±,± ■,ðfNfŠfbfN,·,é,Æ [fvf)f@fCf< fzfcfNf^] ,ašj,«,Ü,·B

■ ŠÖ~A)€-Ü

fjfŠfK<@"

fgfŠfK, ižg, f•ü, ífQ[]f€
, È, æ, Á, Ä, Ü, É, è, Ü, ·BfQ[]f€“à, Ä, ífgfŠfK, i<@”\, É, Ä, ç
, Ä, íAfxQ[]f€, íf}fj...fAf<, ÄSm”F, ·, é, ©AfxQ[]f€’†, Éf{f^f“, ð
‰oÝ, µ, Ä, Y, Ä, , ¾, ³, çB



fjf,

- SideWinder fQ[]f€ fRf“fgf[]f%o fvf[]ftf@fCf%o
, ðžg, Ä, ÄfO[]f€ fAfNfVf#f“, ðŠefgfŠfK, ÉS,, è“, Ä, é, ±
, Æ, ², Ä, «, Ü, ·BfQ[]f€, i†, É, íAfxfCE[]fL, ÆfAfNfZf<, i<@”\,
, ðfgfŠfK, ÉS,, è“, Ä, é, ±, Æ, ², Ä, «, é, à, i, à, , è, Ü, ·B

, ±, ± ■, ðfNfŠfbfN, , é, Æ [fvf[]ftf@fCf< fzfŒfNf^] , aŠJ, «, Ü, ·B

■ ŠÖ~A[]€-Ú

f^ofH[fX f{f^f“

,±,í{f{f^f“,íAftfH[fX
ftfB[fhfofbfN,íf{f“/fIf{t,ðØ,è'Ö,!,Ü,·Bf{f^f“,²”,”,μ,Ä,¢
,é,Æ,«,íAftfH[fX,²ftfB[fhfofbfN,³,ê,é,±,Æ,ðŽ!,μ,Ü,·Bflf“/
fIf{t,ðØ,è'Ö,!,éê,íAftfH[fX f{f^f“,ð‰,Ý,μ,Ä,-
,³/₄,³,¢BftfH[fX,ðflf{t,É,·,é,ÆAfzfC[f<,íA•W€,lfzfC[f<
fRf“fgf[]f%o,Æ,μ,Ä<@"\,μ,Ü,·B



f^of,

- ॥‰,ÉÚ‘±,μ,½Ó’Ô,Å,íAftfH[fX,ífIf{t,ÉÚÝ’è,³,ê,Ä,¢
,Ü,·BftfH[fX,ðflf{t,É,·,é,É,íAftfH[fX f{f^f“,ð‰,Ý,μ,Ä,-
,³/₄,³,¢BfRf“fsf...
|[f^,“dŒ¹,ðflf{t,É,μ,½,èAfzfC[f<,íÚ‘±fvf‰fO,ð”²,-
,ÆAfzfH[fX,íZ©“@“I,Éflf{t,É,È,è,Ü,·B
- ftfH[fX,ðflf{t,É,μ,ÆAfzfC[f<,ðŽg,¤ê,íA^êŽí,ftfH[fX,Å,
éfZf“f^fSf“fO,í<@"\,μ,Ü,¹,ñB

f**yf_f<**

fyf_f<, ï“@ï, í AfQ[f€, É, æ, Á, ÄŒ^, Ü, è, Ü, · B, Ù, Æ, ñ, Ç,]fQ[f€
, Ä, l A%oEf yf_f<, ^fXf fbfgf< (fAfNfZf<
, É, l A l fyf_f<, ^fufC E[fL, É, è, Ü, · B Šef yf_f<, l @"\, É, Ä, ç
, Ä, l AfQ[f€, ijf]fjj..fAf<, ÄSm" F, :é, © AfQ[f€'t, Éf{f^f“, ð
‰ Y, µ, Ä, Y, Ä, , ¾, ³, ¢ B



f**ff,**

•

fXf fbfgf<, ÆfufC E[fL, ð•É, X, É, ŠŒä, Ä, «, é, ê, f, í Afvf jt f@
fCf< fGfffBf^, l [Y'è], Ä [P"Æ, ÄZg, x], ð'l, Ñ, Ü, · B, ±
, l Y'è, É, æ, è, l A l %oE, l fyf_f<, ð"-Zž, É"¥, þ, ê, f, àfQ[f€
, ©, ç, l "½‰z, ð"³/₄, é, ±, Æ, ä, Ä, «, Ü, · B
• l Ä‰, É, Ú, ±, µ, ½, ó, Ô [l, f, ñ, µ, Ä, Y, Ž², É, ·, é], Äfyf_f<, ðZg
—p, ·, é, ê, f, í A l %oE, l fyf_f<, ð"-Zž, É"¥, ñ, Ä, àfQ[f€, l "½
‰z, ð"³/₄, é, ±, Æ, l, Ä, «, Ü, ¹, ñ B



ŠÖ~A€-Ú

fQ█[f€'t,ÉfzƒC█[f<,ð“®,©,µ,Ä,à‰o½,à‹N,±,ç,È,¢

ŠÖ~A€-Ú

fQ[]f€'t, ÉftfH[]fX, ˘S', ¶, ç, ê, È, ¢

fQ[]f€, ˘zfC[]f<, i“®[], ªf{f^f“, É’î, µ, Ä”½‰ž, µ, Ä, ¢, é, É, à, ©, í, ç, , ASideWinder Force Feedback Wheel , ©, ç, í‰½, àftfH[]fX, ˘ftfB[]fhfofbfN, ³, ê, È, ¢ê, íAftfH[]fX ftfB[]fhfofbfN<@"\, É-
â'è, ˘, é, Æ[], i, ç, ê, Ü, ·B

ŽY, i“_˘S" F, µ, Ä[A-â'è, ˘‰øðŒ^, µ, Ä,, ¾, ³, ¢]B

- AC fAf_fvf^, ˘zfC[]f<, Æ•CfRf“fZf”fg, ÉS" Ä, É]U'±, ³, ê, Ä, ¢, é, ±, Æ, ˘S" F, µ, Ü, ·B
- ftfH[]fX, ˘flf“, É, È, Ä, Ä, ¢, é, ±, Æ, ˘Z[], ·ftfH[]fX f{f^f“, ˘“_”, µ, Ä, ¢, é, ±, Æ, ˘S" F, µ, Ü, ·B
- zfC[]f<, ˘fRf“fsf...[]f^, i“w-È, É, , é 15 fsf“, i]Q[]f€ f]Q[]fg, É]U'±, ³, ê, Ä, ¢, é, ±, Æ, ˘S" F, µ, Ü, ·B
- zfC[]f<, ˘“à’ ftfH[]fX, É]³, µ, ”½‰ž, ·é, ±, Æ, ˘S" F, µ, Ü, ·B

■ zfC[]f<, i]ftfH[]fX, ˘S" F, ·é]B
“à’ ftfH[]fX, É]³, µ, ”½‰ž, ·é]ê]f, íAftfEf“fh f]Q[]fh, i] MIDI]Y'è, ˘á, Ä, ¢, é‰øð”\]«, ˘, , è, Ü, ·BMIDI , i]Y'è, i]Afgf‰øfuf<fvf...[]fefBf“fO<@"\, ˘Zg, Ä, ˘S" F, Ä, «, Ü, ·B" S" F, ·é]ê]f, íA[˘i•ñ]
f^fu, ˘fNfSfbfN, µ]A[fgf‰øfuf<fvf...[]fefBf“fO] f{f^f“, ˘fNfSfbfN, µ, Ä, ©, ç]A%øæ-È, i]ZwZ[], É]], Ä, Ä'€]i, µ, Ä, -
, ¾, ³, ¢]B
, ±, ± ■ , ˘fNfSfbfN, ·é, Æ]Afgf‰øfuf<fvf...[]fefBf“fO<@"\, ˘ZÄ]s, Ä, «, Ü, ·B

- fQ[]f€, ˘ftfH[]fX ftfB[]fhfofbfN'í‰ž, Ä, , é, ±, Æ, ˘S" F, µ, Ü, ·BfQ[]f€, ˘ftfH[]fX ftfB[]fhfofbfN'í‰ž, Ä, È, ¢ê, íASideWinder Force Feedback Wheel , íA'¼, I SideWinder fffWf^f< fQ[]f€ fRf“fgf‰ø, Æ“-, ¶, æ, x, É<@"\, µ, Ü, ·B

■ ŠÖ~A]€-Ú

fQ|[f€'t,ÉŽg—p,À,«,È,¢f{f^f“,², ,é

Žg—p,À,«,éf{f^f“,i[],íAfQ|[f€,É,æ,Á,Ä^Ù,È,è,Ü,·BSideWinder Force Feedback Wheel ,l,·,x,Ä,if{f^f“,aŽg—p,À,«,é,Æ,ÍŒÀ,è,Ü,¹,ñBfQ|[f€“à,AŽg— p,À,«,éf{f^f“,i[],âA,»,ifQ|[f€“à,À,iŠef{f^f“,l<@”\,É,À,íAfQ|[f€,if}fjf...fAf<,ðŽQ|Æ,μ,Ä,,³/₄,³,¢B fQ|[f€“à,Àf{f^f“,aŽg—p,À,«,é,±,Æ,²,i,©,À,Ä,¢,é,ì,É|A,»,if{f^f“,aŽg— p,À,«,È,¢é|f,íAŽY,ì“,ðSm”F,μ,Ä,,³/₄,³,¢B

- SideWinder fQ|[f€ fRf“fgf|||[f%o f|ftfgfEfFfA 3.0 ,afCf“fxfg|||[f<,³,ê,Ä,¢,é,±,Æ,ðSm”F,μ,Ü,·B

- SideWinder Force Feedback Wheel ,ifRf“fgf|||[f<,³,í,É“®|,μ,Ä,¢,é,©,ðSm”F,μ,Ü,·B

■ fzfC|||[f<,ifRf“fgf|||[f<,ðfefXfg,·,éB

- SideWinder Force Feedback Wheel ,afRf“fgf|||[f%o 1 ,ÉS,,è“-,Ä,ç,ê,Ä,¢,é,±,Æ,ðSm”F,μ,Ü,·B

■ fRf“fgf|||[f%o,ì"Ô|t,ðSm”F,“,æ,Ñ|Y’è,·,éB

- Windows ,afQ|[f€ f||[fg,É‘,μ,Ä|³,μ,|Y’è,³,ê,Ä,¢,é,±,Æ,ðSm”F,μ,Ü,·BfQ|[f€ f||[fg,ì-â’è,É,À,¢ ,Ä,ÍASideWinder Force Feedback Wheel ,ì Readme ftf@fCf<,ðŽQ|Æ,μ,Ä,,³/₄,³,¢B

■ fQ|[f€ f||[fg,ì|Y’è,ðSm”F,·,éB

f||f,

SideWinder fQ|[f€ fRf“fgf|||[f%o fvf||ftf@fCf%o ,ðŽg,À,Ä|AfL|||[f{|||[fh’€|,âf}fNf|,ð,»,ê,³/₄,ê,if{f^f“||Afzfc|||[f<|A,“,æ,ÑfgfŠfK,ÉS,,è“-,Ä,é,± ,Æ,²,À,«,Ü,·B ,±,± ■ ,ðfNfŠfbfN,·,é,Æ [fvf||ftf@fCf< fZfcŒfNf^] ,aŠJ,«,Ü,·B

■ ŠÖ~A|€-Ú

fzfC[f<,i“@í,¤“Ý,¢A“rØ,ê,é

fQ[f€“à,ÅfzfC[f<,jftfH[fX ftfB[fhfofbfN“@í,¤’x,é,½,èA“rØ,ê,éê‡,íAžg—p,µ,Ä,¢,éfTfEf“fh f][fh,Éí,·é DMA ,íY‘è,¤SÖ^á,Ä,Ä,¢,é‰oÄ”\«,¤,é,Ü,·B

DMA f,[fh,íAžY,i•ú-@,ÅŠm”F,“,æ,ÑY‘è,Ä,«,Ü,·B

1 ,±,± ■ ,ðfNfŠfbfN,µ,Ä [f}f:f`f]ffffBfA,]fvf]fpfeB] f_fCfAf]fO f{fbfNfX,ðSj,«,Ü,·B

2 [ffffofCfX] f^fu,ðfNfŠfbfN,µ,Ü,·B

3 [f}f:f`f]ffffBfA fffofCfX] fŠfXfg f{fbfNfX,Ä [f]ffffBfI fffofCfX] ,ðf_fuf;fNfŠfbfN,µ,Ü,·B

4 fCf“fXfg[f<,¤,é,Ä,¢,éfI[ffffBfI fffofCfX,ð'l'ð,µ,ÄA[fvf]fpfeB] ,ðfNfŠfbfN,µ,½ŒäA[ÙY‘è]

,ðfNfŠfbfN,µ,Ü,·B

5 [fVf“fOf< f,[fh DMA ,ðžg,¤] ,]f`fFfbfN f{fbfNfX,¤,éê‡,íA,»,]f`fFfbfN f{fbfNfX,ð'l'ð,µ,Ü,·B

6 [OK] ,ðfNfŠfbfN,µ,Ü,·B

■ ŠÖ~A€-Ú

,±,íftf@fCf<,É,í[]A,·,×,Ä,ífQ[]f€ fRf“fgf[][]f%o,É<&'Ê,·,é'è<` ,ª<L]Ú,³,ê,Ä,¢,Ü,·[]B,±
,íftf@fCf<,í[]AfRf“fpfCf<žž,ÉŠefwf<fv ftf@fCf<,É'g,Ý]ž,ñ,Å,,³/4,³,¢[]B

fAfif [fO f, **[fh**

SideWinder 3D Pro ,đF Afj fO fo f, ,f h, Ä Z g—p, ., é, ÄE A ^A ê^E “I, ËF Afj fO fw fCfx fefBfbfN, ÄE, µ, Ä @”\ ,µ, Ü, ,BSideWinder 3D Pro ,É, í A C E ö S w C E Y of V f X f e f €, a l —p, ,é, Ä, f, é, ,½, B A M —S l <, a l , - , Afh j S ft fg, a ”¶, µ, Ü, ,ñ B

fx **fX** **f{f^f"**

f{f^f",iŽg—p•û-@,íAfQ[f€,É,æ,Á,ÄÙ,È,ë,Ü,·B,Ü,½A•W€Ý'è,Ä,íA,±,ê,ç,lf{f^f",i^ê•",µ,©Žg—
p,µ,É,çfQ[f€,à, ,ë,Ü,·Bf{f^f",i@"\,É,Ä,ç,Ä,íAfQ[f€,if}ff...fAf<,ÄSm" F,·,é,©AfQ[f€'t,Éf{f^f",ð
‰Y,µ,Ä,Y,Ä,,¾,³,çB

$$A \neq f^{\circ}f''$$

A f{f^f",Í,ÓA•WÓ€fWf+CfXfefBfbfN,lf{f^f" 1 ('Èí,ífWf+CfXfefBfbfN fgfjSfK) ,È'Í%ož,μ,À,¢,Ü,·ÓBfQ[f€"à,Ä,Í A f{f^f",lZg=p•Ù-@,É,À,¢,Ä,Í,ÓAfQ[€,lf]fj...fAf<,ðZQ]Æ,μ,À,¾,³,¢ÓB

B f{f^f“

B f{f^f",í·A·W·€Wf+fCfXfefBfbfN,if{f^f" 2,É·‰%ož,μ,Ä,¢,Ü,··BfQ[]f€"à,å,ì B f{f^f",ížg—p·ü-@,É,Å,¢,Å,í·AfQ[]f€,if}fj...fAf<,ðŽQ[]Æ,μ,Ä,,¾,³,¢·B

C f{f^f“

C f{f^f“,ížY,í,æ,¤,É<@”\,µ,Ü,·,B

- Windows 95 —p,É,ÝŒv,³,ê,½,fQ[f€,Å,í,AfWf+fCfXfefBfbfN,]f{f^f“ 3 ,É’‰ož,µ,Ü,·,BfQ[f€“à,Å,í C f{f^f“,ížg—p•û-@,É,Å,¢,Å,í,AfQ[f€,]f}fjf...fAf<,ðžQÆ,µ,Å,,³/4,³,¢,B
- Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅžÀ,s,·,éfQ[f€,í,ê,‡AC f{f^f“,í<@”\,µ,Ü,¹,ñ, B

X f{f^f“

X f{f^f“,íŽŸ,ì,æ,¤,É<@”\,µ,Ü,·,·B

- Windows 95 —p,É,ÝŒv,³,ê,½,fQ[f€,Å,í,AfWf+fCfXfefBfbfN,]f{f^f“ 4 ,É,î‰ož,µ,Ü,·,·B
- Windows 95 ,ì MS-DOS fEfBf“fhfE“à,ÅŽÀ,·,é,fQ[f€,í,ê,·,A,]fWf+fCfXfefBfbfN,]f{f^f“ 3 ,É,î‰ož,µ,Ü,·,·B

fQ[f€“à,Å,ì X f{f^f“,íŽg—p•ù-@,É,Å,¢,Ä,í,AfQ[f€,]f}fj...fAf<,ðŽQ,Æ,µ,Ä,,¾,³,¢,·B

Y f{f^f“

Y f{f^f“,íŽY,ì,æ,¤,É<@”\,µ,Ü,·OB

- Windows 95 —p,ÉÝŒv,³,ê,½fQ[f€,Å,íAƒWƒ‡fCfXfefBƒbfN,]f{f^f“ 5 ,É’‰ož,µ,Ü,·OB
- Windows 95 ,ì MS-DOS fEfBf“fhfE“à,ÅŽÀ¤s,·,éfQ[f€,ìê‡AƒWƒ‡fCfXfefBƒbfN,]f{f^f“ 4 ,É’‰ož,µ,Ü,·OB

fQ[f€“à,Å,ì Y f{f^f“,íŽg—p•û-@,É,Å,¢,Ä,íAƒQ[f€,]f}fj...fAf<,ðŽQ¤Æ,µ,Ä,,¾,³,¢OB

Z f{f^f“

Z f{f^f“,ížY,í,æ,¤,É<@”\,µ,Ü,·,B

- Windows 95 —p,É,ÝŒv,³,ê,½,fQ[f€,Å,í,AfWf‡fCfXfefBfbfN,]f{f^f“ 6 ,É’‰ož,µ,Ü,·,BfQ[f€“à,Å,í Z f{f^f“,ížg—p•û-@,É,Å,¢,Å,í,AfQ[f€,]f}fjf...fAf<,ðžQÆ,µ,Å,,³/₄,³,¢,B
- Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅžÀ,s,·,éfQ[f€,í,ê,‡AZ f{f^f“,í<@”\,µ,Ü,¹,ñ, B

A f{f^f“

fzfcfC[][{f<ää, i A f{f^f", í AfQ[][{f"à, If[{f^f" 1, É'‰ž, µ, Ä, ç, Ü, ·BfQ[][{f"à, Ä, i A f{f^f", iŽg-p•û-@, É, Ä, ç, Ä, í AfQ[][{f", If}ff...fAf-, ðZQ[]Æ, µ, Ä, , ¾, ³, cB

B f{f^f“

fzfcC[]["f<ää,ì B f{f^f",í AfQ[]["f€`à,ì f{f^f" 2,É`í‰ž,µ,Ä,¢,Ü,·,BfQ[]["f€`à,Å,ì B f{f^f",íŽg-p•û-@,É,Å,¢,Å,í AfQ[]["f€,ìf}ff...fAf<,ðZQØÆ,µ,Ä,,³/⁴,³,¢,ØB

C f{f^f“

fzfcC[]f<ää, i C f{f^f", í AfQ[]f€"à, if{f^f" 3, É'‰ž, µ, Ä, ¢, Ü, . BfQ[]f€"à, Ä, i C f{f^f", iŽg-p•û-@, É, Ä, ¢, Ä, í AfQ[]f€, if{f^f...fAf<, ðZQ[]Æ, µ, Ä, , ³/⁴, ³, ¢ B

$x f\{f^{\wedge} f''$

fzfcfC[]f<ä, i X f{f^f", í AfQ[]f€“à, if{f^f" 4, É'‰ž, µ, Ä, ç, Ü, · BfQ[]f€“à, Ä, i X f{f^f", iŽg-p•û-@, É, Ä, ç, Ä, í AfQ[]f€, if}ff...fAf-, ðZQ[]E, µ, Ä, , ¾, ³, ç B

Y f{f^f“

Y f{f^f“,ížY,í,æ,¤,É<@”\,µ,Ü,·,B

- Windows 95 —p,ÉÝŒv,³,ê,½fQ[f€,Å,íAƒWƒ‡fCƒXƒefBƒbfN,ƒ{f^f“ 5 ,É’‰ož,µ,Ü,·,B
- Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅŽÀs,·,éfQ[f€,íê‡AY f{f^f“,í<@”\,µ,Ü,¹,ñ,B
fQ[f€“à,Å,í Y f{f^f“,ížg—p•û-@,É,Å,¢,Ä,íAƒQ[f€,íf}fjjf..fAƒ<,ðŽQÆ,µ,Ä,,¾,³,¢,B

Z f{f^f“

Z f{f^f“,ížY,í,æ,¤,É<@”\,µ,Ü,·,B

- Windows 95 —p,É,ÝŒv,³,ê,½,fQ[f€,Å,í,AfWf‡fCfXfefBfbfN,]f{f^f“ 6 ,É’‰ož,µ,Ü,·,BfQ[f€“à,Å,í Z f{f^f“,ížg—p•û-@,É,Å,¢,Å,í,AfQ[f€,]f}fjf...fAf<,ðžQÆ,µ,Å,,³/₄,³,¢,B
- Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅžÀ,s,·,éfQ[f€,í,ê,‡AZ f{f^f“,í<@”\,µ,Ü,¹,ñ, B

'21®

fWFfFcXFefBfbfN,lfZf“f^□”^É“u□A”@□”í□A”@□,lfXf□fbfgf<”í□A”@□,lf%o□f□[“í□AŽ<_ (POV = point-of-view) fnfbfg fXfcfbf, l•ùCéü, È, Ç, l•Y’è, ðf}ff...fAf-’€□, Å□s, x, ±, Æ, Å, □B

SideWinder fffWf^f< fQ[] [f€ fRf“fgf[] [f%o

,Å,í»AZ©“@“I,É’²@®,a²ZA\s,³,é,Ü,·@B·W\s\fWf\+fC\x\fefB\fBn,ì’²@®,ð\s,x\s\é\+,í»AWindows ,í[fRf]“fgf\s\f[

fRf“fgf‰[f< fpflf<,]fQ‰[f€ fRf“fgf‰[f‰

[fQ‰[f€ fRf“fgf‰[f‰] f_fCfAfO f{fbfNfX,ðŽg—p,·,é,AE AfQ‰[f€ fRf“fgf‰[f‰,
,í“@íó'Ô,íŠm”F[A]V,µ,¢fRf“fgf‰[f‰,í'Ç‰Á[AfQ‰[f€ fRf“fgf‰[f‰,ííœ,ðs,x,±
,Æ,²,À,«,Ü,·B'€í,íAfvfJfpfeB,ífy[fW,É•Ž],³,é,éŽwŽ,É],A,Äs,Á,Ä,,³/₄,³,¢B
'l'ð,µ,À,¢,éfRf“fgf‰[f‰,ífvfJfpfeB ([fefXfg],â [í•ñ],È,Ç),ð•\Ž,·,é,É,íA[fvfJfpfeB]
f{f^f“,ðfNfŠbfN,µ,Ü,·B
fQ‰[f€ fRf“fgf‰[f‰,ÉfRf“fgf‰[f‰”Ôt,ðS,,è“-,Ä,é,É,íA[íÚx] f^fu,ðfNfŠbfN,µ,Ü,·B

fRf“fgf‰[f‰

,Ù,Æ,ñ,Ç,ìfQ[]f€,ÂfQ[]f€,ðfRf“fgf‰[f<,·,é,½,ß,í'•'u,ð•\Œ»,·,é,Æ,«,ÉŽg—p,·,é—pŒê,Â,·,B
½,Æ,·,í]A“Á’è,ìfQ[]f€,É'î,µ,Ã]AfWftfCfxfefBfbfN]AfQ[]f€ fpfbfh]AfL]f{[]}fh]Af}fEfX,È,Ç,ðfRf“fgf‰[f
‰,Æ,µ,ÄŽg—p,Â,«,Ù,·,BfRf“fgf‰[f‰,í'l'ð•û-@,É,Â,ç,Ã,í]AfQ[]f€,í}fj...fAf<,ðŽQ]Æ,µ,Ã,,¾,³,ç]B

•ûŒüfpfbfh

fQ[f€“à,Å,í^Ú“® ,Éžg—p,·,é SideWinder fQ[f€ fpfbfh,â SideWinder Freestyle Pro (fZf“fT[],³flft,íêé‡),íf{f^f“Bä‰‰¶¶¶¶E,Æ’íŠp]ü 4 •ûŒü,íÅ'å 8 Ží—þ,í•ûŒü,É^Ú“® ,Å,«,Ü,·BSideWinder Freestyle Pro ,Å,íAfZf“fT[],³flf”,íê‡A,±,íf{f^f“,íŽ<“_Ø,è’Ö,í(fnfbfg fXfCfbf) ,Æ,µ,Ä³@”\,µ,Ü,·B 8 •ûŒü,·,x,Ä,äžg—p,Å,«,é,©,ç,¤,©,É,Å,¢,Ä,íAfQ[f€,íf}fjf...fAf<,ðŽQÆ,µ,Ä,,³/4,³,¢B

fffWf^f< f,[]fh

fffWf^f< f,[]fh,Ã,íAÅ“K,ÈfXfs[]fhÅ.“xÅAfptfH[]f}f“fX,ð’ñ³Y,:éV,µ,¢g—p,µ,Ã,¢,Ü,·B,³,ç,ÉACÉöŠwCEY]ofVfXfef€,ìì—p,É,æ,Ã,ÄAM—Š«,ðCEüä,³,¹AfhfŠftfg,ð”rœ,µ,Ü,µ,½B
SideWinder fffWf^f< fQ[f€ fRf“fgf][f%o,íAŽY,]æ,¤,Èé‡,É,íAŽ©“®“I,ÉfffWf^f< f,[]fh,É,è,Ü,·B

- Windows 95 (Windows 95 ,ì MS-DOS fEfBf“fhfE,ðŠÜ,þ)ÅA,Ü,½,í,»,ê^È~_,ífo[]fWf+f“,ÅfQ[f€,ðŽÀs,·,éé‡B
- SideWinder fQ[f€ fRf“fgf][f%o fftfgfEfFfA,afCf“fxfg][f<,³,ê,Ã,¢,éé‡B
- [fRf“fgf][f< fpflf< ,ì [fQ[f€ fRf“fgf][f%o] ,Ã SideWinder fQ[f€ fRf“fgf][f%o,afRf“fgf][f%o 1,Æ,µ,Ã'íð,³,ê,Ã,¢,éé‡B

fffWf^f< fl|[fo|[fhf%oCfu

fffWf^f< fl|[fo|[fhf%oCfu, ðŽg—p, ·, é, Æ AfQ[f€ fpfbfh, ÉÚ'±,³, ê, Ä, ç, éfRf“fgf[] [f%oo, Å, í, È, Å AfQ[f€ fpfbfh, » , i, à, i, ðŽg—p, Å, «, Ü, · BSideWinder fQ[f€ fpfbfh, ðfffWf^f< fl|[fo|[fhf%oCfu f, [fh, ÉÝ'è, µ, Ä, ç, é, ê, Å AfQ[f€ fpfbfh, i—i,]f%o“fv, ^ „, µA, » ,]fQ[f€ fpfbfh, ÉÚ'±,³, ê, Ä, ç, é, ¼,]fQ[f€ fRf“fgf[] [f%oo,]fRf“fsf...[f^, É”FZ,³, ê, Ü, ¹, ñB

ftfH■[fx f{f^f“

,±,jf{f^f“,íAftfH■[fx ftfB■[fhfofbfN,]f]f“/flft,ð]Ø,è'Ö,!,Ü,·Bf%of“fv,³“_,µ,Ä,¢
,é,]ftfH■[fx,]f]f“,Å,·BftfH■[fx,]f]f“/flft,ð]Ø,è'Ö,!,é,É,í [ftfH■[fx] f{f^f“,ð
‰,Ý,µ,Ü,·BftfH■[fx,³f]ft,]ê]#AfzfC■[f<,íA•W]€,]fzfC■[f< fRf“fgf■[f‰,Æ,µ,Ä<@”\,µ,Ü,·B

fQ[]f€ fAfNfVf#f“

fQ[]f€ fAfNfVf#f“,íAfl[]f{[]fh,âf}fEfX,Ü,½,í¼,]fQ[]f€ fRf“fgf[]f%oå,]fL[],âf{f^f“,ð‰oÝ,µ,½,Æ,«,ÉfQ[]f€“à,]fLfff%oNf^,âæ,è•”,ºs,¤“@ì,Å,·B,½,Æ,!,íAufWfff“fv,·,éA,©,º,þA”-C,·,éAž<_,ðØ,è'Ó,!,éA|R,éA%o£,év,Æ,¢,Å,½“@ì,í,·,×,ÄfQ[]f€fAfNfVf#f“,Å,·BSideWinderfQ[]f€ fRf“fgf[]f%o fvftf@fCf%,ðZg,Å,ÄAfQ[]f€ fAfNfVf#f“,íg,Yñ‡,í,â~A,]Cfxf“fg,ð 1,Å,]f{f^f“,ÉS,,è“-,Å,é,±,Æ,º,Å,«,Ü,·B,½,Æ,!,íASi“-fQ[]f€,Å uflfbfNfbfNfbfpf“f`A,©,º,þv,Æ,¢,Å,½“@ì,ðs,¤~A,]fQ[]f€ fAfNfVf#f“,ði,é,±,Æ,º,Å,«,Ü,·BfQ[]f€ fAfNfVf#f“,íA[fvf[]ftf@fCf< fGfffBf^],í [f}fNf[]fŒfR[]f_],Å-Ú”!,]fAfNfVf#f“,É’í‰ž,µ,½fRf}f“fh,ð“ü—í,·,é,±,Æ,É,æ,Å,ÄAfQ[]f€ fRf“fgf[]f%oå,]f{f^f“,ÉS,,è“-,Å,é,±,Æ,º,Å,«,Ü,·B

fQ[]f€ f|[]fg

fQ[]f€ fRf“fgf[]f%o,ðÚ'±,·,é,½,ß,ìfRf!fNf^B'Êí,íTfEf“fh fJ[fh]ã,É, ,è,Ü,·B
SideWinder fQ[]f€ fpfbfh,ìfR[]fh,ì%o,ì...’E%oÂ”fpflf<,ì%oœ,É, ,éfRf!fNf^,àfQ[]f€ f|[]fg,À,·B,±
•,ìfQ[]f€ f|[]fg,íAŽÝ,ì,æ,¤,È’•'u,ðÚ'±,·,é,Æ,«,ÉŽg—p,μ,Ü,·B
•,ìA%o,ì SideWinder fQ[]f€ fpfbfh,ðÚ'±,·,éê‡ (f`fF[]f“Œ`Ž®,ÀÚ'±,μ,Ü,·)B

fñf“fhf<ã,if{f^f“

fñf“fhf<ã,É”z'u,³,é,Ä,¢,Ä¤A'Ê¤í,ifWf‡fCfXfefBfbfN,ì 1 ,©,ç 4 ,if{f^f“,É’
‰ož,·,éf{f^f“,ðŽw,µ,Ü,·¤Bf{f^f“,íŽg—p•û-@,ifQ¤[f€,É,æ,Ä,Ä’Ù,È,è¤A^ê•”,if{f^f“,µ,©Žg—
p,µ,È,¢fQ¤[f€,à, ,é,Ü,·¤Bf{f^f“,í-@”\,É,Ä,¢,Ä,í¤AfQ¤[f€,if}fjf...fAf<,ðŠm”F,·,é,©¤AfQ¤[f€’†,Éf{f^f“,ð
‰oÝ,µ,Ä,Y,Ä,,³/₄,³,¢¤B

fnfbfg fXfCfbf`

fñfbfg fXfCfbf` ,íÁAñeŽw, Á'€ñ, µ, Ä· ûCÜÜñSçéä, ðòñ, x, ½, B, ï, à, i, Ä, · ñBfnfbfg fXfCfbf` ,í<@">, íAfQñ[f€, É, æ, A, Ä· Ü, È, è, Ü, , ãA' Êñí, íZÝ, l, æ, x, ñ, ññSçéä, ÉZg—p, µ, Ü, ·ñB

"à' f, f[fVftf" fzf"ft[l

SideWinder Freestyle Pro ftfS[l f,f[fVftf" fRf"fgf[]%o,íA1 'ä,Å ,Q Ží—þ,þQ[f€'íŒ±,%oÅ"\n,È'•'u,Å,·B

f,f[fVftf" fzf"ft[l,ðflf" (—î,þ%oþ"fv) ,É,·,é,ÆAfQ[f€,É-v"æ,μ,Ä,μ,Ü,þ,BfRf"fgf[]%o
ðŒX,~,é,¾,~,Ä-Ú"l,þ•ûŒü,É^Ú"®,Å,«Aí,ÉfLfff%oþNf^,Æ"~,þ^È'u,ÉŽ©•æ,æ,þ,éS
'Šo,þy,μ,þ,Ü,·Bf,f[fVftf" fzf"ft[l,íAfQ[f€"à,Å'Œäþ%oE,Ü,½,í'Špþü•ûŒü,É^Ú"®,·,é,l,ÉŽg—
þ,μ,Ü,·B

þ]—^,þQ[f€ fpfbfh,Æ"~,þŒ` ,ÄfRf"fgf[]%o,ðŽg—
þ,·,é,Æ,«,É,íAf**fzf"ft[l flf**,Éþ'è,μ,Ü,·B•ûŒüþfbfhþä,þ 8 ,Å,þ{f^f",ðŽg,Å,ÄfQ[f€"à,ð^Ú"®,μ,Ä,-
¾,³,þB

•Wþ€þo'Ô,Å,íAfZf"ft[l,þflf",É,È,è,Ü,·,aAfZf"ft[l f{f^f",ð%oþ,·,¾,~,ÄŠÈ'P,Éflft,É,Å,«,Ü,·B

fWftfCfXfefBfbfN fXfCfbf`

fWftfCfXfefBfbfN fXfCfbf` ,íAfWftfCfXfefBfbfN,í"w-ÊAfR[fh,í‰oº,É, ,è,Ü,·B,± ,ífXfCfbf` ,ðØ,è'Ö,!,é,±,Æ,É,æ,Å,ÄASideWinder 3D Pro ,íSefRf"fgf[f<,í"®í,ð•íX,Å,«,Ü,·B fQ[f€,ÅŽg—p,.,éfWftfCfXfefBfbfN,É‰ž,¶,ÅŽÝ,í,æ,¤,ÉŽg—p,µ,Ü,·B

- SideWinder 3D Pro fWftfCfXfefBfbfN,íŽg—p,ð'Ó'ñ,Æ,µ,½fQ[f€ ,íé‡,íAfXfCfbf` ,í,ç,ç,í^Ê'u,Å,à,©,Ü,¢,Ü,¹,ñB
- A CH Flightstick Pro fVfŠ[fY,ífWftfCfXfefBfbfN,íŽg—p,ð'Ó'ñ,Æ,µ,½fQ[f€,íé‡,íA,±,ífXfCfbf` ,ð 1 ("_,² 1 ,Å) ,í^Ê'u,É‡,í,¹,Ü,·B
- ThrustMaster fWftfCfXfefBfbfN,íŽg—p,ð'Ó'ñ,Æ,µ,½fQ[f€,íé‡,íA,±,ífXfCfbf` ,ð 2 ("_,² 2 ,Å) ,í^Ê'u,É‡,í,¹,Ü,·B

f{f^f“,Ö,ifL[],iŠ,,è“-,Ä

fQ[f€“à,Â,ì^Ú“®,đfl_[]f{[]}fh[]ä,ì 1 ,Â,© 2 ,Â,ifL[],đŽg,Â,Ä[]s,¤[]ê[]‡,í[]A,»],fL[]f{[]}fh'€[]i,đ SideWinder
fQ[f€ fRf“fgf[]f%o[]ä,if{f^f“,ÉŠ,,è“-,Ä,é,±,Æ,³,Â,«,Ü,·[]B,±,ê,³f{f^f“,Ö,ifL[],iŠ,,è“-,Ä,Â,·[]B

1fgfŠfk

¶¶fgfŠfK,í¤AŽŶ,ì,æ,¤,É<@”\,µ,Ü,·¤B

- Windows 95 — p, l̄fQ[] [f€, l̄l̄éé# A] l̄fgfjŠFk, l̄WfjtCfxfBfbfN f{f^f^} 7 , É, ī %ož, μ, Ü, · BfQ[] [f€“ à, Å, l̄l̄l̄fgfjŠFk, l̄Zg — p• û-@, É, Å, ç, Ä, l̄AfQ[] [f€, l̄f] fjjf... fAf<, ðZQ] ÄE, μ, Ä,, ¾, ³, f B
 - Windows 95 , l̄ MS-DOS fEfBf“ à, ÅŽÀ] s,, éfQ[] [f€, l̄l̄éé# A] l̄fgfjŠFk, l̄@” \, μ, Ü, ¹, ñ B

¶¶fgfŠfK

¶¶fgfŠfK,íAŽY,íæ,¤,É<@"\,µ,Ü,·B

- Windows 95 —p,ífgfŠfK,ífWf‡CfXfefBfbfN f{f^f“ 7 ,É‘Í
‰ož,µ,Ü,·BfQ[f€“à,Å,í¶fgfŠfK,ížg—p•û-@,É,Å,¢,Å,íAfQ[f€,íf}fjf...fAf<,ðžQÆ,µ,Å,,¾,³,¢B
- Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅŽÀs,·,éfQ[f€,íê‡A¶fgfŠfK,í<@"\,µ,Ü,¹,ñB

f%o f“fv

SideWinder fQ[f€ fpfbfh,]—í,if%o f“fv,í AfQ[f€ fpfbfh,]Œ»Ý,if,][fh,ðŽ!,μ,Ü,·]B

- f%o f“fv,aflf“,íê‡AfQ[f€ fpfbfh,íffWf^f< fl][fo][fh%o fCfu f,][fh,ÉY'è,³,ê,Ä,¢,ÄAfQ[f€“à,Åžg—p,Å,«,éó'Ô,Å,·]B
- f%o f“fv,aflf,íê‡AfQ[f€ fpfbfh,í“§%o ßf,][fh,É,È,Á,Ä,¢,Ü,·]B,±,íê‡ASideWinder fQ[f€ fpfbfh,Å,í,È,]A,±,ifQ[f€ fpfbfh,ÉÚ'±,³,ê,Ä,¢,é'¼,ifRf“fgf][f%o,ðŽg—p,·,é,±,Æ,É,È,è,Ü,·]B

M f{f^f"

M f{f^f“,í AŽŶ,ì,¢,·,ê,©,ì•û-@,ÅŽg—p,µ,Ü,· B

- 1 fQ[][{f€,!f!fvfvf}]"%oæ-Ê,â]Ý"e%oæ-Ê,Âf{f^f" 10 ,ÉŠ,,è"-,Ä,Ü,· (f)fXf^f€ f{f^f""]Ý"e,%oÃ\",ÈfQ[][{f€,!l]é]ò,!,Y}]B
2 fvftfg f{f^f",Æ,μ,ÄZg-p,μ,Ü,·]BSideWinder fQ[][{f€ fRf"fgf]Û[f%o f]ftfgfEfFfA,ðZg-p,·,é,·]A,Ü,Æ,ñ,C,]f{f^f",É 2 Žl-p,]fQ[][{f€ fAfNfVf}","ðS,,è"-,Ä,é,±,Æ,²,Å,«,Ü,·]B,½,Æ,Æ,·,l]AfVf...Û[feFBf"fo fQ[][{f€,Å A f{f^f",ð·]Ûf,·,l]ÛXf{f^f",Æ,μ,ÄZg-p,μÛAfVftfg + A f{f^f",ð'e-ò,·,l]ÛXf{f^f",Æ,μ,ÄZg-p,μ,Ü,·]B

fVftfg□„Ô, f{f^f“, ÉS„, è“-,-Ä, ½fQ□[f€ fAfNfVf^f“, δŽÄ□s, ., éôêôf, l□AM f{f^f“, ð‰oÝ, µ, È, a, ç-Ú”l, f{f^f“, ð‰oÝ, µ, Ü, .□Bä, l-ä, Ä, l□AM f{f^f“, ð‰oÝ, µ, È, a, ç A f{f^f“, ð‰oÝ, ., AE'e-ò, a, i□X, , ê□AA f{f^f“, , , , ð‰oÝ, ., AE•i□X, , ä, Ü, .□B

f, fh f{f^f“

f, fh f{f^f“, ö‰Ÿ, ·, Æ AŽŸ, i 2 Ží—þ, lfh, fh, Ø, è’Ö, !, é, ±, Æ, ª, Å, «, Ü, · B

- fffWf^f< flfo[fhf%oCfu f,fh
fQ[f€ fpfbfhä, i—i, jf%o f“fv, ª “ ”, µ, Ä, ¢, é ê ASideWinder fQ[f€ fpfbfh, ífffWf^f< flfo[fhf%oCfu f,fh, È, Ä, ¢, Ä AfQ[f€ fpfbfh, » i, à, i, Ä, i, È, A, » , ê, È Ü’±, ¢, é’¼, jfRf“fgf[f‰, öŽg—p, ·, é, ±, Æ, ª, Å, «, Ü, · B
- “‰ooßf,f,fh
fQ[f€ fpfbfhä, i—i, jf%o f“fv, ª Ä “ ”, µ, Ä, ¢, é ê ASideWinder fQ[f€ fpfbfh, í“‰ooßf,f,fh, Å, · B, ±, I ö’Ö, Ä, I AfQ[f€ fpfbfh, » i, à, i, Ä, i, È, A, » , ê, È Ü’±, ¢, é’¼, jfRf“fgf[f‰, öŽg—p, ·, é, ±, Æ, È, Ä, è, Ü, · B

“§%oßf,□[fh

SideWinder fQ[]f€ fpfbfh,»,ì,à,ì,Å,í,È,□A,»,ê,É□Ú'±,³,ê,Ä,¢,é'¼,]fRf“fgf□□[f%o,ðŽg—p,·,éf,□[fh,Å,·□B
SideWinder fQ[]f€ fpfbfh,“§%oßf,□[fh,É,È,Ä,¢,é□ê□‡,í□AfQ[]f€ fpfbfh□ä,ì—î,]f%o f“fv,¤flft,É,È,Ü,·□B

fvf[]ftf@fCf<

fvf[]ftf@fCf<, íñA“Á’è, ìfQ[]f€, É’í, µ, ÄfQ[]f€ fRf“fgf[]f%o, ì<@”\, ðf]fXf^f}fCfY, ·, é, ½, ß, É’è< , µ, ½fQ[]f€ fAfNfVfþ“, í’g, Ýþ, í, ¹, àÝ’è, ð•Ü’¶, , éftf@fCf<, Å, ·B, ±, ìftf@fCf<, ðZg—p, ·, é, ±, Æ, É, æ, Á, Ä, ÅAfQ[]f€ , ð, ·, é, ½, Ñ, ÉÝ’è, ð•íX, ·, é•K—v, ª, È, , È, è, Ü, ·BfQ[]f€, fvf[]ftf@fCf%o, ð—LŒø, É, ·, é, ÆÅAfQ[]f€ , ìfXf^[]fgZž, Éftf@fCf<, È•Ü’¶, º, é, Ä, ç, éÝ’è, ºž© “® “I, ÉZg—p, º, é, Ü, ·B

fvf[]ftf@fCf<, É, íñAŽÝ, ì“à—e, ð•Ü’¶, Å, «, Ü, ·B

- **fL[]f{[]fh'€[]** fQ[]f€ “à, ÅZg—p, ·, éfQ[]f€ fRf“fgf[]f%o f{f^f”, º, 8, Å, Ü, Å, ÅÅA<>—<, ð”ŽÈ, ·, é, ì, É CTRL+T, Æ, ç, Á, ½fL[]f{[]fh'€[], ðZg—p, ;, ééêþA, ±, fL[]f{[]fh'€[], ðfQ[]f€ fRf“fgf[]f%oå, ì-¢žg —p, ìf{f^f”, ÉS,, è“-, Å, é, ±, Æ, ª, Å, «, Ü, ·B
- **f}fNf[] ^é~A, ìfQ[]f€ fRf“fgf[]f%o f{f^f”, ì’€[], ð’P^é, ìf{f^f”, ÉS,, è“-, Å, é, ±, Æ, à, Å, «, Ü, ·B**
- **Ý’è “½%ož, µ, È, ç—í^æ, å“ @[], ì”íí, È, ÇÅAfQ[]f€, É’í, ·, é SideWinder fQ[]f€ fRf“fgf[]f%o, ì %ož”šó’Ó, ðÝ’è, Å, «, Ü, ·B** ÙÝ’è, Å, «, Ü, ·B

%oEfjfŠfK

- Windows 95 — p,ífQ[][[f€,í]ê]#%A‰EfgfŠK,fWf]fCfXfefBbfn f{f^f^ 8,É,‰ž,μ,Ü,·,BfQ[]f€“à,Å,í‰EfgfŠK,ižg—p•ù-@,É,Å,ç,Ä,í]AfQ[][[f€,í]f]f...fAf<,ðŽQ[]Æ,μ,Å,,¾,³,¢B
 - Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅŽÀ[]s,·,éfQ[]f€,í]ê]#%A‰EfgfŠK,í<@”\,μ,Ü,¹,ñB

%oEfjfŠfK

- Windows 95 — p,ífQ[][[f€,í]ê]#%A‰EfgfŠK,fWf]fCfXfefBbfn f{f^f^ 8,É,‰ž,μ,Ü,·,BfQ[]f€“à,Å,í‰EfgfŠK,ižg—p•ù-@,É,Å,ç,Ä,í]AfQ[][[f€,í]f]f...fAf<,ðŽQ[]Æ,μ,Å,,¾,³,¢B
 - Windows 95 ,í MS-DOS fEfBf“fhfE“à,ÅŽÀ[]s,·,éfQ[]f€,í]ê]#%A‰EfgfŠK,í<@”\,μ,Ü,¹,ñB

$fZf''fT\Box f\{f^{\wedge}f''$

- $f''(fv, \hat{a}) = (\text{W}, \hat{f})$, $\hat{E}, \hat{c}fZf''fT[]_1, \hat{f}f_1f'', \hat{A}, \cdot B$
 - $f''(fv, \hat{a} \hat{O} (-\frac{1}{4}, \hat{e}, \hat{f})) = \hat{E}, \hat{c}fZf''fT[]_1, \hat{f}f_1f, \hat{A}, \cdot B$
 - $W[\epsilon]_0 \hat{O} \hat{A}, \hat{I} AfZf''fT[]_1, \hat{f}f_1f'', \hat{E}, \hat{E}, \hat{e}, \hat{U}, \cdot BfZf''fT[]_1, \hat{d}f_1f, \hat{E}, \cdot, \hat{e}, \hat{E}, \hat{I} AfZf''fT[]_1 f\{f^{\hat{f}}f'', \hat{d}\% \hat{Y}, \mu, \hat{A}, \cdot, \frac{1}{4}, ^3, \hat{f} B$

fVftfgó'Ô

SideWinder fQ[f€ fRf“fgf@@[f%o f\ftgfgEfFfA,³é,Ä,¢,ÄAfQ[f€,²fVftfg<@\\",É'‰oož,µ,Ä,¢,é,îA,Ù,Æ,ñ,Ç,ì SideWinder fQ[f€ fpfbfh,“,æ,ÑfwftfCfXfefBfbfN,ÅA1,Ä,if{f^f“,É 2 Ží—þ,ifQ[f€ fAfNfVftf“,ðS,,è“-,Ä,é,±,Æ,¤,Å,«,Ü,·BfQ[f€ fRf“fgf@@[f%oã,ifVftfg f{f^f“,ð‰ooÝ,·Æ[A'¼,if{f^f“,²fVftfgó'Ô,É,È,èA2 "Ô-Ü,ifQ[f€ fAfNfVftf“,ðŽÀs,Å,«,é,æ,¤,É,È,è,Ü,·BfQ[f€ fRf“fgf@@[f%oã,if{f^f“,ÉfQ[f€ fAfNfVftf“,ðS,,è“-,Ä,é,È,íAfvfjt@fCf< fGfffBf^,ðŽg—þ,µ,Ü,·B

fXf^[]fg f{f^f"

fQ[]f€,É,æ,Á,Ä,í[]A,±,jf{f^f",ðŽg,Á,ÄfQ[]f€,ðfXf^[]fg,Ü,½,í[]Ä<N"®,·,é,±,Æ,²,Å,«,Ü,·[]B,±,jf{f^f",äŽg
—p,Å,«,é,©,ç,¤,©,É,Â,¢,Ä,í[]AfQ[]f€,jf}fj...fAf³,ðŠm" F,·,é[]A,Ü,½,í[]Q[]f€'t,Éf{f^f",ð%oÝ,µ,Ä,Y,Ä,-
,³/₄,³,¢[]B,Ü,½[]ASideWinder ,jfQ[]f€ fRf"fgf[]f%o fvftf@fCf%,ðŽg,Á,ÄfQ[]f€,jfXf^[]fg fRf}f"fh
(Ü,½,í¹/₄,jfQ[]f€ fAfNfVf") ,ð,±,jf{f^f",ÉŠ,,è"-,Ä,é,±,Æ,à,Å,«,Ü,·[]B

fVftfg f{f^f“

fVftfgf{f^f“,í AŽŶ,ì,¢,·,ê,©,ì•û-@,ÅŽg—p,µ,Ü,· B

- 1 fQ[][{f€,!f!fvfvf}]"%oæ-Ê,â]Ý"e%oæ-Ê,Âf{f^f" 10 ,ÉŠ,,è"-,Ä,Ü,· (f)fXf^f€ f{f^f""]Ý"e,%oÃ\",ÈfQ[][{f€,!l]é]ò,!,Y}]B
2 fvftfg f{f^f",Æ,μ,ÄZg-p,μ,Ü,·]BSideWinder fQ[][{f€ fRf"fgf]Û[f%o f]ftfgfEfFfA,ðZg-p,·,é,·]A,Ü,Æ,ñ,C,]f{f^f",É 2 Žl-p,]fQ[][{f€ fAfNfVf}","ðS,,è"-,Ä,é,±,Æ,²,Å,«,Ü,·]B,½,Æ,Æ,·,l]AfVf...Û[feFBf"fo fQ[][{f€,Å A f{f^f",ð·]Sf,i·l]Xf{f^f",Æ,μ,ÄZg-p,μ]AfVftfg + A f{f^f",ð'e-ò,i·l]Xf{f^f",Æ,μ,ÄZg-p,μ,Ü,·]B

fVftfg□ጀ'Ô, f{f^f", ÉS,, è"-, Ä, ½fQ□[f€ fAfNfVftf", δŽÄ□s,: éôêôft, íAfVftfg f{f^f", δ‰öÝ, µ, È, ä, ç-Ú"l, f{f^f", δ‰öÝ, µ, Ü, □Bä, l]—á, Ä, íAfVftfg f{f^f", δ‰öÝ, µ, È, ä, ç A f{f^f", δ‰öÝ, ·, AE'e-ò, ä•í□X, ^, ê□AA f{f^f", ^/4, -, δ‰öÝ, ·, AE•□Sí, ^, l]X, ^, ê, Ü, □B

fXf□fbfgf<

fXf□fbfgf<,ðŽg—p,·,é,AE□AŽY,í,æ,¤,ÈfQ□[f€ fAfNfVf‡f“,ð”÷-,ÉfRf“fgf□□[f<,·,é,±,AE,¤,Å,«,Ü,·□B

- □,„□i—í,í’²□®
- fXf□fbfgf<,í’²□®
- □,“x,í•í□X

