



RealAudio Player ,lfwf<fv

- fgfsfbfN,đfNfŠfbfN,μ,Ä,,¾,¾,¾,¾
- ,.1.B.É
- fXfe[f^fXfo[l.íf[fbfZ[fW
- [ftf@fCf<l f[ffif...[
- [•\Ž:l f[ffif...[
 - [Šî-{\Ÿ'è} f_fCfAf[fO f{fbfNfX
 - [Ů'±,l"ŮEv} f_fCfAf[fO f{fbfNfX
- [fNfŠfbfv} f[ffif...[
- [fTfCfG} f[ffif...[
- fGf%oofuf<fVf...[fefBf"fo

RealAudio ,ÉŠÖ~A,.,é»•i,È,Ç,ìĀVî•ň,É,Ā,ç,Ā,íAProgressive Networks ,ì Web fTfCfG,đŽQÆ,μ,Ä,-
¾,¾,¾,¾BfAfhfCfX,íŽŸ,ì,Æ,"è,Ā,•B

<http://www.realaudio.com>

ĀV,ìfTf[fgî•ň,"æ,Ń<Zpî•ň,É,Ā,ç,Ā,íAŽŸ,lfAfhfCfX,đŽQÆ,μ,Ä,,¾,¾,¾,¾

<http://www.realaudio.com/help.html>



fxfe[]f^fxfo[]l,lf[]fbfz[]fW

[.·Ž!} f[]fif...[]l,} [fxfe[]f^fxfo[][] fRf}f“fh,É^ó,ª·t,ç,Ä,ç,é,Æ,«,í[]A[RealAudio Player] fEfBf“fhfE,ì %ºº,Éfxfe[]f^fxfo[][,ª·Ž!},ª,è,Ü,·[]Bfxfe[]f^fxfo[][,É,íAZÿ,ì,æ,ª,Èf[]fbfz[]fW,ª·Ž!},ª,è,Ü,·[]B

"[]` ,ðfjfbftf@fšf“fo,µ,Ä,ç,Ü,·[]B"

Web fy[]fW,ì RealAudio ,lfvf#[]f[]g[]f[]fbfg,ðŽÀ[]s,·,é,Æ[]A[]Ä[]¶,·,é,ì,É[]\ ·ª,Èfjfbfg,ðŽó[]M,·,é,Ü,Ä[]A[]f[]f[]ff[]B[]f[] f[]f[]f^,ì,ç,Ä,½,ñfjfbftf@,É·Ü'¶,ª,è,Ü,·[]B,±,ì[]^—[]l,[]“·bŠÖ,Ä[]—¹,µ,Ü,·[]B

"fNfšfbfv x/x"

RealAudio Player ,Ä·;[]“,ì RealAudio (.ra) ftf@fCf<,ð~A'± ,µ,Ä[]Ä[]¶,·,é,Æ,«,É[]A[]f[]N[]f[]š[]fbfv,ì[]“,ì[]±[]E[]v,Æ[][]A[]E[]»[]Ý%º½“Ö-Ü,lfNfšfbfv,ª[]Ä[]¶,ª,è,Ä,ç,é,©,ª·\ Ž!},ª,è,Ü,·[]B

"'âž~·µ,Ü,µ,½[]B"

[‘âž~] f{f^f“,Ü,½,í [‘èžž‘âž~] f{f^f“,ðfNfšfbfN,·,é,Æ[]A,±,lf[]fbfz[]fW,ª·Ž!},ª,è,Ü,·[]B

"f[]fbfgf[]fN fXfgfš[]f€ 14.4 (,Ü,½,í 28.8) ,ð[]Ä[]¶'t"

fCf“f^[]f[]fbfg[]Eo—R,lf[]f[]f^,ð[]Ä[]¶,µ,Ä,ç,é,Æ,«,É[]A,±,lf[]fbfz[]fW,ª·Ž!},ª,è,Ü,·[]B"14.4" ,Ü,½,í "28.8" ,Æ,ç,ª[]“Žš,ì[]A[]ftf@fCf<,ð·,[]±%º»·,·,é,Æ,«,Éžg,í,è,é^³[]k[]f[]A[]f[]S[]f[]Y[]f€,ìží—p,ðž!,µ,Ü,·[]B,±,lf[]fbfz[]fW,ª·\ Ž!},ª,è,Ä,ç,é,Æ,«,É%º¹,ª·,±,ì,È,ç[]ê[]±,ì[]A[]RealAudio Player ,Ä%º¹—È,ð'²[]B,·,é,©[]A,Ü,½,lfXfs[]f[]f[]l,ì%º¹ —È,ð'²[]B,µ,Ä,¾,¾,¾,ç[]B,±,ì'€[]ì,ð[]s,Ä,Ä,à%º¹,ª·,±,ì,È,ç[]ê[]±,ì[]A[]Windows ,É·t'®,·,é,f{fšf...[]f€ fRf“fgf[]f[]f<,l%º¹—È,ðšm,©,ß,Ä,¾,¾,¾,ç[]B

- Windows 3.1x ,ðžg,Ä,Ä,ç,é[]ê[]±,ì[]A[]TfEf“fh f[]f[]fh,É·t'®,·,é,vf[]f[]Of%ºf€,©,çf{fšf...[]f€ fRf“fgf[]f[]f<,ÉfA[]f[]N[]f[]Z[]fX,Ä,«,Ü,·[]B
- Windows 95 ,ðžg,Ä,Ä,ç,é[]ê[]±,ì[]A[]Rf“fgf[]f[]f< f[]f[]f<,ì [f]f<f` f[]ff[]B[]fA] fA[]f[]C[]f[]Rf“ ,ðf_fuf<fNfšfbfN,µ[]A[]f[]f[]f[]ff[]B[]f[]l] %ºæ—È,Ä [[]Ä[]¶] ,ì,Ä,Ü,Y,ð'²[]B,µ,Ä,¾,¾,¾,ç[]B

"f[]f[]f[]f< ftf@fCf< 14.4 (,Ü,½,í 28.8) ,ð[]Ä[]¶'t"

fRf“fsf...[]f^,É·Ü'¶,ª,è,Ä,ç,é,fNfšfbfv,ð[]Ä[]¶,µ,Ä,ç,é,Æ,«,É,±,lf[]fbfz[]fW,ª·Ž!},ª,è,Ü,·[]B"14.4" ,Ü,½,í "28.8" ,Æ,ç,ª[]“Žš,ì[]A[]ftf@fCf<,ð·,[]±%º»·,·,é,Æ,«,Éžg,í,è,é^³[]k[]f[]A[]f[]S[]f[]Y[]f€,ìží—p,ðž!,µ,Ü,·[]B

"f%ºfCfu fXfgfš[]f€ 14.4 (,Ü,½,í 28.8) ,ð[]Ä[]¶'t"

fCf“f^[]f[]fbfg[]Eo—R,lfNfšfbfv,ð[]Ä[]¶,µ,Ä,ç,é,Æ,«,É,±,lf[]fbfz[]fW,ª·Ž!},ª,è,Ü,·[]B"14.4" ,Ü,½,í "28.8" ,Æ,ç,ª[]“Žš,ì[]A[]ftf@fCf<,ð·,[]±%º»·,·,é,Æ,«,Éžg,í,è,é^³[]k[]f[]A[]f[]S[]f[]Y[]f€,ìží—p,ðž!,µ,Ü,·[]B

"fzfXfg :[]` ,É[]Ü'±'t"

RealAudio fT[]f[]o[][,Éff[]f^,ì'—[]M,ð—v<[]µ,Ä,ç,é,Æ,«,É,±,lf[]fbfz[]fW,ª·Ž!},ª,è,Ü,·[]B

f[]fbfz[]fW,ì%ºE'ª ,É,ì[]A[]f[]N[]f[]š[]fbfv,ð,·,x,Ä[]Ä[]¶,·,é,Ü,Ä,É,©,©,éžžšÖ,Æ[]A[]E[]»[]Ý,Ü,Ä,É[]Ä[]¶,ª,è,½žžšÖ,ª·Ž!},ª,è,Ü,·[]B

'[]

- fNfšfbfv,ð,·,x,Ä[]Ä[]¶,·,é,Ü,Ä,É,©,©,éžžšÖ,ª·Ž!},ª,è,é,ì,ì[]A[]f[]N[]f[]š[]fbfv,afRf“fsf...[]f^,É·Ü'¶,ª,è,Ä,ç,é[]ê[]±,¾,¾,Ä,·[]B

ŠÖ~A[]E-Ü

- ,ì,¶,ß,É
- [ftf@fCf<] f[]fif...[]l
- [·Ž!} f[]fif...[]l
- [fNfšfbfv] f[]fif...[]l
- [fTfCf] f[]fif...[]l



[ftf@fCf<] fffjf...]

[ftf@fCf<] fffjf...].Á,íAfcf“f^[]fjfbfg fGfNfXfvf[]f%o,È,Ç,ì WWW fuf%oEfU,ðŽg,í,,É[]ARealAudio Player ,Á RealAudio ftf@fCf<,ðÄÄ¶,Á,«,Ü,·[]B

[URL ,ðŽw'è,µ,ÄŠ],]

fCf“f^[]fjfbfg fGfNfXfvf[]f%o,©,ç,Á,Í,È,[]Afcf“f^[]fjfbfg,ì RealAudio fT[]fo[],É, ,éftf@fCf<,ð'¼[]ÚŽw'è,µ,ÄÄ¶,·,é,Æ,«,ÉŽg,ç,Ü,·[]Bftf@fCf<,ðŽw'è,·,é,É,í[]ARealAudio (.RA) ftf@fCf<,lfAfhfCEfX,ð“ü—í,µ,Ü,·[]BfAfhfCEfX,É,í[]Apm (Progressive Networks Metafile) fAfhfCEfX,ðŽw'è,µ,Ü,·[]Bhttp[]Aftp[]Agopher ,È,Ç[]A,Ü,©,ìŽí—p,ì URL ,ðŽw'è,µ,Ä,àftf@fCf<,ðŠ],,± ,Æ,í,Á,«,Ü,¹,ñ[]BŽÿ,ì,æ,µ,ÈCE`Ž®,Á“ü—í,µ,Ä,,^¾,^¾,ç[]B

pnm://<RealAudio fT[]fo[],ìft[]fo[][-¼>:<f[]fg“Ô[]t>/<ftf@fCf<,ì[]â'ípfX-¼>

"pnm" ,í[]Aftf@fCf<,ª RealAudio fT[]fo[],É, ,é,±,Æ,ðŽ!,µ,Ü,·[]B<RealAudio fT[]fo[],ìft[]fo[][-¼> ,É,í[]ARealAudio ftf@fCf<,ª·Ü'¶,³,é,Ä,ç,éft[]fo[],ì IP fAfhfCEfX,Ü,½,ífhf[]fCf“-¼,ðŽw'è,µ,Ü,·[]B<f[]fg“Ô[]t> ,É,í[]A·W[]€,ì 7070 ^ÈŠO,lf[]fg,ªft[]fo[],ÁŽg,í,é,Ä,ç,éé[]#,É[]Af[]fg“Ô[]t,ðŽw'è,µ,Ü,·[]B<ftf@fCf<,ì[]â'ípfX-¼> ,É,í[]ARealAudio ftf@fCf<,ì[]â'ípfX,ðŽw'è,µ,Ü,·[]BŽÿ,É—á,ðŽ!,µ,Ü,·[]B

pnm://audio.realaudio.com/welcome.ra

,±,lfRf}f“fh,í[]ARealAudio fT[]fo[],lfefXfg—p,Æ,µ,Ä—p^Ó,³,é,Ä,ç,Ü,·[]BfefXfg^ÈŠO,ì-Ú“í,ÁŽg,µé[]#,í[]Afcf“f^[]fjfbfg fGfNfXfvf[]f%o,È,Ç,ì WWW fuf %oEfU,©,çftf@fCf<,ðŽw'è,·,é,Æ[]AŠÈ'P,Éftf@fCf<,ðÄÄ¶,Á,«,Ü,·[]B

[Š],]

Ž©ª,lfRf“fsf...[]f^,É·Ü'¶,³,é,Ä,ç,é RealAudio ftf@fCf<,ðÄÄ¶,·,é,Æ,«,ÉŽg,ç,Ü,·[]B.RA ,Ü,½,í .RAM ,Æ,ç,µŠg'£Žq,ðŽ[],Áftf@fCf<,ðÄÄ¶,Á,«,Ü,·[]B

[[]Á<B,ìftf@fCf<,ðŠ],]

[[]Á<B,ìftf@fCf<,ðŠ],] fRf}f“fh,ðŽg,Á,Ä[]A[]Á<B[]Ä¶,µ,½fNfŠfbfv,ðÄÄ¶,Á,«,Ü,·[]B[ftf@fCf<] fffjf...[].] [[]Á<B,ìftf@fCf<,ðŠ],] ,ðf[]fCf“fg,·,é,Æ[]A[]Á<B[]Ä¶,µ,½fNfŠfbfv,ì-¼'O,ª·\ Ž!,³,é,Ü,·[]BfNfŠfbfv,ðÄÄ¶,·,é,É,í[]A-Ú“í,lfNfŠfbfv,ðfNfŠfbfN,µ,Ü,·[]BfNfŠfbfv,ðŠ],,Æ,«,É[]AWWW fuf %oEfU,ð<N“®,·,é·K—v,í, ,è,Ü,¹,ñ[]B·W[]€,ì[]Ý'è,Á,í[]A4 ,Á,lfNfŠfbfv,ª·\Ž!,³,é,Ü,·,ª[]A[Šì-{[]Ý'è] f_fCfAf[]fo f{fbfNfX,Á·\Ž!,·,éNfŠfbfv,ì[]“,ð·í[]X,Á,«,Ü,·[]B

ŠÖ~A[]€-Ú

- ,í,¶,ß,É
- fXfe[]f^fXfo[],ìf[]fbfZ[]fW
- [·\Ž!] fffjf...[]
- [fNfŠfbfv] fffjf...[]
- [ftfCfg] fffjf...[]
- fgf%ofuf<fvf...[]fefBf“fO



[•\Ž!} fffj...]

[•\Ž!} fffj... [Á, [RealAudio Player ,É•\Ž!,³,é,é€-
Ú,ðŸ'è,μ,½,è[Af [fffBfl,âfjfbfgf [fN, [Ÿ'è,ð•iX,μ,½,è,Á,«,Ü,·B

[i•ñ,Æf{fŠf... [f€]

fNfŠfbfv, ĩf^fCfjf<A [i - ŽÒA'~ [iCE [i•ñA, ", æ, Ñ%¹ - É'²B, Á, Ü, Ÿ, a•\Ž!,³, é, Ü, ·B%¹ -
É, ð'²B, ·, é, É, [A%¹ - É'²B, Á, Ü, Ÿ, ðã%², Éfhf%^ofbfO, μ, Ü, ·B%¹ - É'²B, Á, Ü, Ÿ, a•\
Ž!,³, é, É, ç [é [f, [AWindows , ĩfTfEf "fh fhf%^oCfo, a RealAudio Player , É, Ç, ĩfXf^f "fh fAf [f " fvf [fOf%^of€, ĩ
%¹ - É'²B<@ " \, É'í%^oŽ, μ, Á, ç, Ü, ¹, ñB

[fXfe [f^fXfo []]

fXfe [f^fXfo [, a•\Ž!,³, é, Ü, ·BfXfe [f^fXfo [, É, [RealAudio Player , ĩCE»Ÿ, ĩó'Ô [RealAudio
ftf@fCf<, ĩ'·, a•\Ž!,³, é, Ü, ·B [fRf}f "fh, ĩà-¾, a•\Ž!,³, é, Ü, ·B

[Ši- {Ÿ'è}

[Ši- {Ÿ'è} f_fCfAf [fO f {fbfNfX, a•\Ž!,³, é, Ü, ·B [Ši- {Ÿ'è} f_fCfAf [fO f {fbfNfX, Á, [RealAudio Player
, ĩ,³, Ü, ' , Ü, ÈŸ'è, ð•iX, Á,«, Ü, ·B, Ü, ©, ĩ•û-@, Á [Ši- {Ÿ'è} f_fCfAf [fO f {fbfNfX, ð•\Ž!, ·, é, É, [A [RealAudio
Player] fEfBf "fhfE, ðf} fEfX, ĩ%^oEf {f^f", ÁfNfŠfbfN, μ [A [Ši- {Ÿ'è, ĩ•iX], ðfNfŠfbfN, ·, é, © [A, Ü, ½, ĩ **Ctrl**
f [, ð%^oŸ, μ, É, ç **P** f [, ð%^oŸ, μ, Ü, ·BfNfŠfbfv, ĩ [A [Ši- {Ÿ'è} f_fCfAf [fO
f {fbfNfX, ĩŸ'è, ĩ•iX, Á,«, Ü, ¹, ñB

[" [CEv]

[Ÿ'±, ĩ " [CEv] f_fCfAf [fO f {fbfNfX, a•\Ž!,³, é, [RealAudio ftf@fCf<, ĩ"] - , ĩ " [CEv [i•ñ, a•\
Ž!,³, é, Ü, ·B, Ü, ©, ĩ•û-@, Á [Ÿ'±, ĩ " [CEv] f_fCfAf [fO f {fbfNfX, ð•\Ž!, ·, é, É, [A [RealAudio Player]
fEfBf "fhfE, ðf} fEfX, ĩ%^oEf {f^f", ÁfNfŠfbfN, μ [A [" [CEv, ĩ•\Ž!], ðfNfŠfbfN, μ, Ü, ·B

[i, ÉŽè'O, É•\Ž!]

[RealAudio Player] fEfBf "fhfE, a fAfNfefBfu, Á, É, ç [é [f, à [A, Ü, ©, ĩfEfBf "fhfE, æ, èŽè'O, É•\Ž!,³, é, é, æ, x
, É, È, è, Ü, ·B, ±, ĩfRf}f "fh, ðŽg, x, A fCf "f^ [f [fbfg fGfNfXfv [f%^o, ðŽg, Á, Á, ç, é, A, «, Á, à RealAudio
Player , ĩó'Ó, ðŠm "F, Á,«, é, æ, x, É, È, è, Ü, ·B

ŠÖ~ A€-Ú

- ▣ , ĩ, 1, B, É
- ▣ fXfe [f^fXfo [, ĩf [fbfZ [fW
- ▣ [ftf@fCf<] fffj... []
- ▣ [fNfŠfbfv] fffj... []
- ▣ [fTfCfG] fffj... []
- ▣ fgf%^ofuf<Vf... [fefBf "fO



[•\Ž;!] f fjf... [l,ì [Šì-{'è] f_fCfAf fO f{fbfNfX

[Šì-{'è] f_fCfAf fO f{fbfNfX,Å,íARealAudio Player ,ì'è,âAflfbfgf[fN'±AfvfLfv fTlfoA %°¹,ìo—Í,È,Ç,ì'è,ð•ìX,Å,«,Ü,·BfNfŠfbfv,ìÄ'†,íA'è,í•ìX,Å,«,Ü,¹,ñB[Šì-{'è] f_fCfAf fO f{fbfNfX,É,íA4 ,Å,ìf^fu,ª, ,è,Ü,·B'Úx,É,Å,ç,Ä,íAZŽ,ì€-Ú,ðŽQÆ,µ,Ä,,¾,³,çB

- [î•ñ] f^fu
- [flfbfgf[fN] f^fu
- [fvfLfv] f^fu
- [Úx'è] f^fu



[Šî-{}Ý'è} f_CfAf_fO f{fbfNfX,ì [î•ñ] f^fu

[A•B,ì X ĆĀ,ìfNfŠfbfv,ð•Ů'ŋ,•,é]

[ftf@fCf<] fffj...[,ì [A<B,ìftf@fCf<,ðŠ,] fRf}f"fh,ðf|fCf"fg,μ,½,Æ,«,É•\Ž|,³,é,éfNfŠfbfv,ì" ,ð 0 ` 99 ,ìŠŌ,ĀŽw'è,μ,Ů,•B•W€,ìŸ'è,Ā,Í 4 ĆĀ,ìftf@fCf<,ª•\Ž|,³,é,Ů,•B

[fì[]ffBfi,ìŽ,ð-D[]æ]/[CPU ,ìŽg-p-!,ð'á,]

RealAudio 28.8 fAf<fSfŠfYf€,ĀĀ[]ŋ,³,é,é%°¹°°,ì•iŽ,ðĀ,à,,,•,é,É,í[]AfCf" f^[]f|fbfg,ðĆo-R,μ,Ā"']— ,³,é,éff[]f^,ð,•,î,â,[]^—[]•,é•K-v,ª, ,è,Ů,•B,±,é,É,í[]APentium fvf[]fZfbfT,ª" <Ů,³,é,½fRf"fsf... []f^ ,ªĀ,à"K,μ,Ā,ç,Ů,•B%°¹°°,ð[]Ā[]ŋ,μ,Ā,ç,é,é,Æ,«,Éf pftfH[]f}f" fX,ª'â,«,'á%°°, ,é[]ê[]#,í[]A,Ā,Ů,Ý,ðfhf %ofbfO,μ,Āfì[]ffBfi,ìŽ,Æ CPU ,ìŽg-p-!,ìf of%of" fX,ð²[]®,μ,Ů,•B•W€,ìŸ'è,Ā,ìfì[]ffBfi,ìŽ,ª— D[]æ,³,é,é,æ,ª,É,É,Ā,Ā,ç,Ů, ,ª[]Af pftfH[]f}f" fX,ðĆü[]ă, ,é,É,í[]A,Ā,Ů,Ý,ð%°E,Ōfhf%ofbfO,μ,Ů,•B

[“~Šúf}f<f f[]ffBfA] f fFfbfN f{fbfNfX

RealAudio Synchronized Multimedia fNfŠfbfv,ð[]Ā[]ŋ,•,é,Æ,«,É[]A%°¹°°,É[]#,í,¹,ĀŽŸ,ì Web fy[]fW,ð•\ Ž|, ,é,æ,ª,É,μ,Ů,•B%°¹°°•t,«,ìfXf%ofCfh fVf#[][,ð•\Ž|,•,é,Æ,«,ÉŽg,ç,Ů,•B•W€ ,ìŸ'è,Ā,í[]A["~Šúf}f<f f[]ffBfA] f fFfbfN f{fbfNfX,ìf|f" ,É,É,Ā,Ā,ç,Ů,•BRealAudio Synchronized Multimedia fNfŠfbfv,ð[]Ā[]ŋ,•,é,Æ,«,É[]AŽŸ,ìfy[]fW,ªŽ©" @"ì,É•\Ž|,³,é,É,ç,æ,ª ,É,•,é,É,í[]A["~Šúf}f<f f[]ffBfA] f fFfbfN f{fbfNfX,ðf|ft,É,μ,Ů,•B

■ [Ši- {Ÿ'è} f_fCfAf_fO f{fbfNfX,ì [flfbfgf[]fN] f^fu

[Ši- {Ÿ'è} f_fCfAf_fO f{fbfNfX,ì [flfbfgf[]fN] f^fu,Ä,íAŽŸ,ìŸî•ñ,ðŸ'è,µ,Û,·B

- fl[]ffffBfl,ìŽóM•û-@
- fT[]fo[],ÉŸÚ±,·,é,Û,Ä,ìÒ,žžšŌ
- fT[]fo[],É“ŸEvŸî•ñ,ð'—M,·,é,©,Ç,æ,©
- ff[]f^,ì'Ž,·,ðC•æ,·,é,©,Ç,æ,©

,±,è,ç,ìŸî•ñ,ìŸ'è,É,íAfcf“f^[]flfbfg fv[]fgfRf<,·,æ,Ÿftf@fcf,,fEfH[]f<,ÉšŌ,·,éšî-“{ì,É'mž^,·,æK—v,Ä,·B

■ [fl[]ffffBfl,ìŽóM•û-@]

•W[]€,ìŸ'è,Ä,íAfi[]ffffBfl,ìff[]f^,ì UDP
fpfPfbfg,Æ,µ,ÄžóM,³,è,Û,·BfpfPfbfg,ð'ì•É,·,éftf@fcf,,fEfH[]f<,ì“àæ,É,·,éRf“fsf...[]f^,Ä,íAUDP
fpfPfbfg,ðžóM,Ä,«,·,é,ç,±,Æ,ª,·,è,Û,·B,±,ìè[]±,íA[TCP] ,ðfNfšfbfN,µ,Û,·B

'
■ ^È'Ō,ìfx[]f^“Ä,ì RealAudio 2.0 fT[]fo[],íA[TCP] flfvfvf“f“,É'í%ž,µ,Ä,ç,Û,¹,ñB,±,ìè[]±Afxfe[]f^fxfo[],É “” ,ðfobftf@fšf“fO,µ,Ä,ç,Û,·B” ,Æ,ç,æf[]fbfZ[]fW,ª•\Žì,³,èA %°¹[]²,ª[]Ä[]¹,³,è,Û,¹,ñBRealAudio 2.0 fT[]fo[],Ō,ìfAfbfvfOfc[]fh,É,Ä,ç,Ä,íAft[]fo[],ìšÇ—žŌ,É,“-â,ç[]±,ì,¹,³/4,³,çB

■ [žw'è,ì UDP f[]fg,ðžg—p] f^fFfbfN f{fbfNfX

UDP fpfPfbfg,ð'À'è,ìf[]fg, ©,çžóM,Ä,«,·,é,æ,æ,Éftf@fcf,,fEfH[]f<,ªŸ'è,µ,Ä,·,éè[]±,ÉAžw'è,µ,½ UDP f[]fg,ðžg,æ,æ,É,µ,Û,·BRealAudio Player ,Ä UDP fpfPfbfg,ðžóM,·,é,É,íA1000 ,©,ç 9999 ,Û,Ä,ìf[]fg“Ō[]±,ðžw'è,µ,Û,·Bžw'è,·,éf[]fg“Ō[]±,É,Ä,ç,Ä,íAftf@fcf,,fEfH[]f<,ìšÇ—žŌ,É,“-â,ç[]±,ì,¹,³/4,³,çB

'
■ RealAudio ,ì TCP fpfPfbfg,É,íAfi[]fg“Ō[]± 7070 ,³/4,·,ðžg—p,Ä,«,Û,·B

■ [fT[]fo[],ìf^fcfAfAfefg]

RealAudio fT[]fo[],Ō,ìŸÚ±,ªšm—š,³,è,é,Û,Ä'Ō,Ä•b[]”,ðžw'è,µ,Û,·Bžw'è,µ,½žžšŌ“à,ÉŸÚ±,Ä,«,·,É,çè[]±,íAšm“F,ìf_fCfAf_fO f{fbfNfX,ª•\Žì,³,è,Û,·B•W[]€,ì'ì 90 •b,Ä,·B0
•b,É,·,é,Æ[]A^fcfAfAfefg,ì”[]¹,µ,Û,¹,ñB

■ [“ŸEv,ð'—M,·,é] f^fFfbfN f{fbfNfX

fNfšfbfv,ìÄ[]¹,ªš®—¹,µ,½æä,ÉA“ŸEvŸî•ñ,ð RealAudio fT[]fo[],É'—,è•Ō,·,æ,æ,É,µ,Û,·BRealAudio Player ,Ä,íAfcf“f^[]flfbfg fT[]fxf fv[]fofcf_ª”]—•ižž,ðšÇ—,Ä,«,·,é,æ,æ,É,·,é,½,ìA“]—,ì“ŸEvŸî•ñ,ª RealAudio fT[]fo[],É'—M,³,è,Û,·B“ŸEvŸî•ñ,ì“à—e,íA[“ŸEvŸî•ñ] f_fCfAf_fO f{fbfNfX,É•\ Žì,³,è,é,à,ì,Æ“~,¹,Ä,·B'—M,³,è,é“à—e,ìžž,ì,Æ,“~,è,Ä,·B

- ŽóMfpfPfbfg[]”
- '¹ž,fpfPfbfg[]”
- 'x%„,fpfPfbfg[]”
- '[]...fpfPfbfg[]”
- "j'¹fpfPfbfg[]”

RealAudio Player ,Ä,íAft[]fU[][-¼A“džqf[]f<
fAfhfCefX[]AfpfXf[]fh,É,ÇAft[]fU[],ðž~•É,·,éŸî•ñ,ª“Ç,Ý[]²,³,è,½,èARealAudio fT[]fo[],É'—M,³,è,½,è,·,é,±,Æ,ì,·,è,Û,¹,ñB

■ [¹ž,·,ðC•æ,·,é] f^fFfbfN f{fbfNfX

RealAudio fT[]fo[],Æ RealAudio Player šŌ,Ä,ìfpfPfbfg,ì¹ž,ª•â[]³,³,è,é,æ,æ,É,µ,Û,·BfpfPfbfg,ì¹ž,ª”-[]¹,µ,Ä,ç,éè[]±,íA'Z,ç[]U“@%¹,ª•,±,ì,Û,·B[¹ž,·,ðC•æ,·,é] f^fFfbfN f{fbfNfX,ðfift,É,·,é,Æ[]A¹ž,fpfPfbfg,ìfxflfbfv,³,è,Û,·B

■ [¹Ÿ^æ•[]]

fCf“f^[]flfbfg[]Ÿ'±,ìžì—p,ðžw'è,µ,Û,·BRealAudio ,ìftfcfg,Ä,íA¹Ÿ^æ•[]fifsvfG[]fvf“f“,ÆæÄ,ì,è,é<@”\

,đŽg,Á,Ä RealAudio ,lft[]frfX,đ'ň<Ÿ,·,é,±,Æ,ª,Å,«,Ü,·B,±,ì<@"\,đŽg,ª,ÆA1 ,Â,lfvf#[]fgfjfbfg,Å 14.4
fAf<fSfŠfYf€,Æ 28.8 fAf<fSfŠfYf€,ì—¼•ù,lftf@fCf<,đ'ň<Ÿ,Å,«,Ü,·BfVf#[]fgfjfbfg,đŽÀ[]s,·,é,ÆA,“Žg,ç,ì
RealAudio Player ,ÉŠÖ,·,é[]•ň,šfT[]fo[]l,É'—,ç,êA“K[]Ø,ÈŽí—
p,lftf@fCf<,đŽó[]M,Å,«,Ü,·BŽó[]M,·,éftf@fCf<,ìŽí—p,í[]AfCf“f^[]flfbfg[]Ú'±,ì'Ê[]M'—“x,É,à
%œ<¿,³,ê,Ü,·B

■ [Šî- {Ÿ'è} f_fCfAf_fO f{fbfNfX,ì [fvf_fLfv] f^fu

fvf_fLfv fT[fO[.ÍALAN ,ÆfCf“f^ [fifbfg,ìŠŌ,ì-hCEì•Ç,ì-đŠ,,đ%è,½,μ,Û,·Bfvf_fLfv fT[fO[.ÍALAN ,ÉŮ'±,³,è,Ä,ç,éRf“fsf... [f^ ,ÆfCf“f^ [fifbfg,Æ,ìŠŌ,Ä•s³,Éff[f^CEđŠ·,²s,í,è,È,ç,æ,κ,ÉŠÇ—,μ,Ä,ç ,Û,·BRealAudio Player 2.0 ,Ä,ÍA[Šî- {Ÿ'è} f_fCfAf_fO f{fbfNfX,ì [fvf_fLfv] f^fu,Äfvf_fLfv fT[fO[.Íî•ñ,đŸ'è,μ,Û,·B

[fvf_fLfv,đŽg—p] f`fFfbfN f{fbfNfX

fvf_fLfv fT[fO[.đCeo—R,μ,Ä RealAudio fT[fO[.ÉŮ'±,·,é,æ,κ,É,μ,Û,·B,±,ìf`fFfbfN f{fbfNfX,đfif“ ,É,μ,½éé±,ÍA fzfXfg-¼,Æf[fO“Ōt,đŽw'è,·,é•K—v,², ,è,Û,·B

[fzfXfg]

fvf_fLfv fT[fO[.ìfhf_fCf“ -¼,Û,½,Í IP fAfhfCEfX,đ“ü—Í,·,éééŠ,Ä,·Bftf@fCf,,fEfH[f<,đCeo— R,·,ééé±,ìfvf_fLfv fT[fO[.ìfzfXfg-¼,É,Ä,ç,Ä,ÍAftf@fCf,,fEfH[f<,ìŠÇ—ŽŸ,É,“ -â,ç±,í,¹,¾,³,çB

[f[fO]

fvf_fLfv fT[fO[.Æ'ÉM,·,é,Æ,«,ÉŽg—p,·,é[f[fO“Ōt,đ“ü—Í,·,éééŠ,Ä,·Bftf@fCf,,fEfH[f<,đCeo— R,·,ééé±,ìf[fO“Ōt,É,Ä,ç,Ä,ÍAftf@fCf,,fEfH[f<,ìŠÇ—ŽŸ,É,“ -â,ç±,í,¹,¾,³,çB

[fvf_fLfv,đŽg—p,μ,È,ç]

fvf_fLfv fT[fO[.đCeo—R,μ,È,çf[fO[fjfk fzfXfg,ìfhf_fCf“ -¼,Û,½,Í IP fAfhfCEfX,đ“ü— Í,·,éééŠ,Ä,·BŽw'è,·,ééé[fjfk fzfXfg,É,Ä,ç,Ä,ÍAftf@fCf,,fEfH[f<,ìŠÇ—ŽŸ,É,“ -â,ç±,í,¹,¾,³,çB

■ [Ši- {Ÿ'è} f_fCfAf_fO f{fbfNfX,} [Ú×Ÿ'è] f^fu

ftfEf"fh f[]fh, àŸŠ·«, ÉŠÖ, ·, é RealAudio Player, ·, W€, àŸ'è, ð·ïX, μ, Ü, ·B

[8 frfbfg, à, ŸŽg—p] f`fFfbfN f{fbfNfX

ftfEf"fh f[]fh, àŸŠ·«, É-â'è, à, ·, éèè±, É, ¾, ·A, ±, ì`fFfbfN f{fbfNfX, ðfif", É, μ, Ä, , ¾, ¾, çB'Éí, íA16 frfbfg, ìftfEf"fh f[]f^, àftfEf"fh f[]fh, É—, ç, è, Ü, ·B, ½, ¾, μA8 frfbfg fTfEf"fh f[]fh, ðŽg, Á, Ä, ç, éèè±, íAŽ© "®"l, É 8 frfbfg, ìftfEf"fh f[]f^, à—, ç, è, Ü, ·BftfEf"fh f[]fh, à 16 frfbfg, ìftfEf"fh àÄ±, É'í %ž, μ, Ä, ç, É, ç, ±, Æ, à" FŽ~ , ¾, è, Ä, ç, É, çèè±, íAfNfŠfbfv, ðÄ±, ·, é, Æ^Úí, È%¹, à, μ, Ü, ·B, ±, ì, æ, x, Èèè±, É, ±, ì`f`fFfbfN f{fbfNfX, ðfif", É, ·, é, ÆA·W€, ì 16 frfbfg fTfEf"fh àÄ±, àŸ'è, à·ïX, ¾, èA8 frfbfg fTfEf"fh, àÄ±, ¾, è, Ü, ·B

[11KHz , à, ŸŽg—p] f`fFfbfN f{fbfNfX

ftfEf"fh f[]fh, àŸŠ·«, É-â'è, à, ·, éèè±, É, ¾, ·A, ±, ì`fFfbfN f{fbfNfX, ðfif", É, μ, Ä, , ¾, ¾, çB'Éí, íA8KHz , ìftfEf"fh f[]f^, àftfEf"fh f[]fh, É—, ç, è, Ü, ·B8KHz , ìftf"fvfŠf"foŽü" g", É'í%ž, μ, Ä, ç, É, çftfEf"fh f[]fh, ðŽg, Á, Ä, ç, éèè±, íAàÄ±%¹, à, ·, ·, ±, ì, ½, èA^Úí, É'—, ·, ·, ±, ì, ½, è, μ, Ü, ·B, ±, ì, æ, x, Èèè±, É, ±, ì`f`fFfbfN f{fbfNfX, ðfif", É, ·, é, ÆAftfEf"fh f[]f^, à 11KHz , É·İŠ·, ¾, è, ÄftfEf"fh f[]fh, É— , ç, è, Ü, ·B, ½, ¾, μA, ±, ì`f`fFfbfN f{fbfNfX, ðfif", É, ·, é, ÆAftfEf"fh, ðÄ±, ·, é, Æ, «, Èfvf[]ZfbfT, É, ©, ©, é· %'S, à'â, «, ·, È, è, Ü, ·B

■ [•\Ž:] f{fjf...[,ì [Ú±,ì“CEv] f_fCfAf{fo f{fbfNfX

[•\Ž:] f{fjf...[,ì [“CEv] ,đNfšfbfN, ,é,Æ[A[Ú±,ì“CEv] f_fCfAf{fo f{fbfNfX,ª•\Ž!,ª,è,Ü,·B,± ,ìf_fCfAf{fo f{fbfNfX,É,íARealAudio fT[fo[,Æ RealAudio Player ŠŌ,Ā,ì“]—,ì“CEv[ĩ•ň,ª•\ Ž!,ª,è,Ü,·B•\Ž!,ª,è,é“à—e,íŽŸ,ì,Æ,“ ,è,Ā,·B

- ŽóMfpfPfbfg,ì“ ,ÆŠ,,[(%)
- '¹Ž_fpfPfbfg,ì“ ,ÆŠ,,[(%)
- 'x%o,,fpfPfbfg,ì“ ,ÆŠ,,[(%)
- '“...fpfPfbfg,ì“ ,ÆŠ,,[(%)
- %oB<Ž 30 •bŠŌ,ì¹Ž_fpfPfbfg,ì“ ,ÆŠ,,[(%)
- "j¹fpfPfbfg,ì“ ,ÆŠ,,[(%)

fpfPfbfg,ì¹Ž , ,ª“[,µ,Ā,ç,éè[,íA'Z,çU“ @%¹,ª• ,±,ì,Ü,·B,Ü,½A[¹Ž ,_đC•œ, , ,é] f{fFbfN f{fbfNfX,ªfift,É,È,Ā,Ā,ç,éè[,íAfpfPfbfg,ªfXflfbfv,ª,è,é,±,Æ,ª ,è,Ü,·B

fpfPfbfg,ì¹Ž , ,ĀĀ[ª%¹Ž ; ,ª^«%o» , ,éCE ^ ö ,Æ,µ,Ā,íA^èŽŽ“l,Éfifbfgf[[fN,ì'ÉM[áŠQ,ª“[,µ,Ā,ç ,é,©A,Ü,½,í—U“l,ì Web fTfCfg,ÉfAfNfZfX,ª[W't,µAfT[fo[,ì^—“\—í,đ' , ,Ā,ç,é,± ,Æ,ª[, ,ç,è,Ü,·BŽžŠŌ,đ,“ ,ç,Ā,©,ç,à,ª^è“x,â,è¼, , ,©A,Ü,½,ì,Ü,©,ìfTfCfg,đŽŽ,µ,Ā,Ÿ,Ā, ,¾,ª,ç[B

f,ff€,đŽg,Ā,ĀfCf“f^ [flfbfg,ÉÚ±,µ,Ā,ç,éè[,ÉAfpfPfbfg,ì¹Ž , ,ª[, ,çŠ,,[,Ā“[,µ'± , , ,éè[,íA14.4Kbps ^È%oª,ì'á'—,Ā'ÉM,µ,Ā,ç,é,©A,Ü,½,ìfCf“f^ [flfbfg fT[frfX

fvf[fofCf_ ,ì'Ň^æ•[,ª•s^« , ,µ,Ā,ç,é%oĀ“\[ª , ,è,Ü,·B[Ú× ,É,Ā,ç,Ā,íAfcf“f^ [flfbfg fT[frfX

fvf[fofCf_ ,É,“ -â,ç[, ,í,¹, ,¾,ª,ç[B

fpfPfbfg,ì¹Ž , ,ª“[, , ,é,Æ[A[fz[[f€] f{f^f“ ,É^îÈ,ìŠG,ª•\Ž!,ª,è,Ü,·B

■ [fNfŠfbfv] f□fjf...□[

[fNfŠfbfv] f□fjf...□[.ìfRf}f“fh,ðŽg,α,Æ□A•;□”,ì RealAudio (.ram) ftf@fCf<,ª, ,é□ê□‡,É□A“O,ìfNfŠfbfv,É-β,Á,½,èŽŸ,ìfNfŠfbfv,É□i,ñ,¾,è,Á,«,Ü,·□B,±,ì<@“\,í□ACD fvf□E□[f,,□[.ì BACK f{f^f“,â FOR f{f^f“,Æ“~,¶,æ,α,È-ðŠ,,ð%°É,½,μ,Ü,·□BfAfNfZfX,μ,Ä,ç,éVf‡□[fgfjfbfg,É RealAudio (.ram) ftf@fCf<,ª 1 ,Á,μ,©,È,ç□ê□‡,í□A,±,ì<@“\,íŽg—p,Á,«,Ü,¹,ñ□B[fNfŠfbfv] f□fjf...□[.É,íŽŸ,ìfRf}f“fh,^a, ,è,Ü,·□B

['O,ìfNfŠfbfv]

'O,ìfNfŠfbfv,ð□Ä□¶,μ,Ü,·□B

[ŽŸ,ìfNfŠfbfv]

ŽŸ,ìfNfŠfbfv,ð□Ä□¶,μ,Ü,·□B

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- _____,í,¶,β,É
- _____fXfe□[f^fXfo□[.ìf□fbfZ□[fW
- _____[ftf@fCf<] f□fjf...□[
- _____[•\Ž!] f□fjf...□[
- _____[fTfCfç] f□fjf...□[
- _____fgf%°uf<fVf...□[fefBf“fO

■ [fTfCf] f fjjf... [

[fTfCf] f fjjf... [,ifRf}f“fh,Á,íAProgressive Networks ,ì,³,Ü,´,Ü,È Web fy [fW,ð•\Ž!,Á,«,Ü,·B,±,ì<@“\ ,íAMosaicASpyglass MosaicASpry MosaicANetscapeAfCf“f^ [f]fbfg fGfNfXfVf [f%o,È,ÇAŽâ— v,È Web fuf%ofEfU,ÁŽg—p,Á,«,Ü,·BWeb fuf%ofEfU,ÍŽ©“@“I,É<N“@,³,è,é,½,ßA, ,ç,©,¶,ß<N“@,µ,Ä,“, - •K—v,í, ,è,Ü,¹,ñB[fTfCf] f fjjf... [, ©,ç,íAŽÿ,ify [fW,ð•\Ž!,Á,«,Ü,·B

RealAudio Home Page
(<http://www.realaudio.com>)

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RealAudio Guide
(<http://www.realaudio.com/raguide.html>)

RealAudio ftf@fCf<,ª—p^Ó,³,è,Ä,ç
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RealAudio Help

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- [,í,¶,ß,É](#)
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- [\[ftf@fCf<\] f fjjf... \[](#)
- [\[•\Ž!\] f fjjf... \[](#)
- [\[fNfŠfbfv\] f fjjf... \[](#)
- [fgf%ofuf<fVf... \[fefBf“fO](#)

fqf“fg

RealAudio ftf@fCf<,l“à—e,lŽí—p,í audio/x-pn-realaudio ,Å,·BÚ×,É,Â,ç,Ä,íAufCf“f^fifbfg
fGfNfXfvf[f%o.É RealAudio ,lî•ñ,ð’Ç%oÅ,·,é,É,ív,ðŽQÆ,μ,Ä,,¾,¾,çB

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- fXfe[f^fXfo[l,lfbfZ[fW
- [ftf@fCf<] fñfif...l
- [•Ž!] fñfif...l
- [fNfŠfbfv] fñfif...l
- [fTfCfç] fñfif...l

