



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•ñ,É,Â,ç,Ä,íAProgressive Networks ,ì Web fTfCfG,đŽQÆ,μ,Ä,-
¾,¾,¾,¾BfAfhfÇfX,íŽŸ,ì,Æ,"è,Ä,•B

<http://www.realaudio.com>

ĀV,ìfTf[fgî•ñ,"æ,Ñ<Zpî•ñ,É,Â,ç,Ä,íAŽŸ,lfAfhfÇfX,đŽQÆ,μ,Ä,,¾,¾,¾,¾

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



,Í,Ń,Ŕ,É

RealAudio Player ,Í AfCf“f^ [f]fbfg,Å%¹²,ðŠfAf f^fCfÉ,ÉÄŃ,·,é,½,Ŕ,İfvfŃOf%œ,Å,·ŔRealAudio ,ÉŠÖ~A,·,é»·i,É,Ç,İÄŃVŃî·ñ,É,Å,ç,Ä,İAProgressive Networks ,İ Web ftfCfç,ðŽQœ,µ,Ä,·,¾,¾,çŔBProgressive Networks ,İfAfhfçfX,İŽÿ,İ,Æ,·,è,Ä,·ŔB

<http://www.realaudio.com>

%¹²,ðÄŃ,·,é

RealAudio Player ,æCf“fXfg [f,¾,é,Ä,ç,éèŃ,İAWorld Wide Web ,İfy [fW,Å RealAudio ,ÆŃ,·,é,Ä,ç ,éVfŃ [fgfffbfg,ðfNfŠfbfN,·,é,ÆARealAudio ftf@fCfç,æŽ““@“İ,ÉÄŃ,¾,é,Ü,·ŔRealAudio Player ,İŽ““@“İ,ÉçN“@,¾,é,é,½,ŔA,·,ç,·,Ń,ŔN“@,µ,Ä,·,·K—v,İ,·,è,Ü,¹,ñŔRealAudio ftf@fCfç,æ—p^Ó,¾,é,Ä,ç ,é Web ftfCfç,İ^è—,É,Å,ç,Ä,İAZÿ,İfAfhfçfX,ðŽQœ,µ,Ä,·,¾,¾,çŔB

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

ÄŃ,Å,«,éç`Ž

RealAudio Player ,ÄÄŃ,Å,«,é,İ,İAZÿ,İ 2 ,Å,İftf@fCfç`ç`Ž@,Å,·ŔB

- .RA ,Æ,ç,æŠg`ÉŽq,ðŽ,Å RealAudio ftf@fCfçŔB
- .RAM ,Æ,ç,æŠg`ÉŽq,ðŽ,Å RealAudio fŃ^ ftf@fCfçŔB

.AU ftf@fCfç,· .WAV ftf@fCfç,ð RealAudio ftf@fCfç,É·İŠ,·,é,É,İARealAudio Encoder ,ðŽg,ç ,Ü,·ŔRealAudio Encoder ,İ Progressive Networks ,İ Web fy [fW,·,ç“üŽè,Å,«,Ü,·ŔB

%¹—É,İ²ŔB

[·\Ž!] fŃfj... [[Ńî·ñ,Æf {fŠf... [fç] fRf}f“fh,É^ó,æ·t,ç,Ä,ç,é,Æ,«,İARealAudio Player ,Å%¹—É,ð²ŔB,Å,«,Ü,·ŔB%¹—É,ð²ŔB,·,é,É,İA%¹—É²ŔB,Å,Ü,Ý,ðfhf%œbfO,µ,Ü,·ŔB,Ü,½AWindows ,É·t@,·,é {fŠf... [fç fRf“fgf [fç,ðçN“@,µA%¹—É,ð²ŔB,·,é,±,Æ,à,Å,«,Ü,·ŔB%¹—É²ŔB,Å,Ü,Ý,æ·\ Ž,¾,é,É,çèŃ,İAWindows ,İftfEj“fh fhf%œCfo,æ RealAudio Player ,É,Ç,İfXf^f“fhfAfŃ“ fvfŃOf%œ,İ%¹—É²ŔBç@“\,Éİ%œž,µ,Ä,ç,Ü,¹,ñŔB%¹—É²ŔB,İç@“\,æ·\ Ž,¾,é,É,çèŃ,İAfXfs [fç,İ,Å,Ü,Ý,Å²ŔB,·,é,ç@A,Ü,½,İftfEj“fh fç [fh,É·t@,·,éfvfŃOf%œ,ðŽg—p,µ,Ä,·,¾,¾,çŔB

%¹,æ·,±,İ,É,çèŃ,â”ñí,Éç—,¾,çèŃ,İAfXfs [fç,İ,Å,Ü,Ý,İ^É’u,ðŠm,ç,Ŕ,é,ç@A,Ü,½,İ%¹—É²ŔB,İfvfŃOf%œ,İŃÿè,ðŠm,ç,Ŕ,Ä,·,¾,¾,çŔBWindows ,É·t@,·,é {fŠf... [fç fRf“fgf [fç,İèŃ,İA [f {fŠf... [fç fRf“fgf [fç] ,Æ [WAVE] ,İ%¹—É,ðŠm,ç,Ŕ,Ä,·,¾,¾,çŔB

fz [fç f {f^f“

fz [fç f {f^f“ ,İA [‘Ń—,è) f {f^f“ ,Æ [Šæ,«—Ŕ,µ] f {f^f“ ,İ%œÉ,É ,éfXfs [fç,İŠG,æ·t,ç,½f {f^f“ ,Å,·ŔBfz [fç f {f^f“ ,ðfNfŠfbfN,·,é,ÆAProgressive Networks ,İz [fç fy [fW,É^Ú“@,Å,«,Ü,·ŔBftf@fCfç,ð“Ç,Ýçž,ñ,Å,ç ,é,Æ,«,âAfŃ [fo [,ÉAfNfZfX,µ,Ä,ç,é,Æ,«,İAfz [fç f {f^f“ ,İfXfs [fç,İŠG,æ%œñ”],µ,Ü,·ŔB %¹²,İÄŃŃt,İAfXfs [fç,İŠG,ç,ç%¹,æo,Ä,ç,éfAfjŃ [fVfŃ“ ,æ·Ž,¾,é,Ü,·ŔBfjpfPfbfg,İ²Ž ,æ”-Ń,·,é,ÆAfz [fç f {f^f“ ,É^İè,İŠG,æ·Ž,¾,é,Ü,·ŔB

ŠÖ~AŃÉ-Ú

- fXfe [f^fXfo [.İfŃfbfZ [fW
- [ftf@fCfç] fŃfj... [
- [·\Ž!] fŃfj... [
- [fNfŠfbfv] fŃfj... [
- [ftfCfç] fŃfj... [
- fgf%œfufçfvf... [fçBf“fO



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[]^,í,ç,Ä,½,ñfjfbftf@,É·Ü'¶,ª,è,Ü,·[]B,±,ì[]^—[]l,í[]`·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 [‘êžž‘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,í[]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[]±,í[]A[]RealAudio Player ,Ä%º¹—É,ð'²[]B,·,é,©[]A,Ü,½,lfXfs[]f[]f[]l,ì%º¹ —É,ð'²[]B,µ,Ä,¾,¾,ç[]B,±,ì'€[]ì,ð[]s,Ä,Ä,à%º¹,ª·,±,ì,È,ç[]ê[]±,í[]A[]Windows ,É·t'®,·,é,f{fšf...[]f€ fRf“fgf[]f[]f<,l%º¹—É,ðšm,©,ß,Ä,¾,¾,ç[]B

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

- ,í,¶,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%.,È,Ç,ì WWW fuf%ofEfU,ðŽg,í,,É[]ARealAudio Player ,Á RealAudio ftf@fCf<,ðÄÄ¶,Á,«,Ü,·[]B

[URL ,ðŽw'è,μ,ÄŠ],]

fCf“f^[]fjfbfg fGfNfXfvf[]f%.,©,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'fjpfX-¼>

"pnm" ,í[]Aftf@fCf<,³ RealAudio fT[]fo[],.É, ,é,±,Æ,ðŽ!,μ,Ü,·[]B<RealAudio fT[]fo[],.ìft[]fo[][-¼> ,É,í[]ARealAudio ftf@fCf<,³·Ü'¶,³,è,Ä,ç,éft[]fo[],.ì IP fAfhfCEfX,Ü,½,lfhf[]fCf“-¼,ðŽw'è,μ,Ü,·[]B<f[]fg“Ô[]t> ,É,í[]A·W[]€,ì 7070 ^ÈŠO,lf[]fg,²ft[]fo[],.ì ÁŽg,í,è,Ä,ç,éé[]#,É[]Af[]fg“Ô[]t,ðŽw'è,μ,Ü,·[]B<ftf@fCf<,ì[]â'fjpfX-¼> ,É,í[]ARealAudio ftf@fCf<,ì[]â'fjpfX,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,è,Ä,ç,Ü,·[]BfefXfg^ÈŠO,ì-Ú“ì,ÁŽg,μé[]#,í[]Afcf“f^[]fjfbfg fGfNfXfvf[]f%.,È,Ç,ì WWW fuf %ofEfU,©,çftf@fCf<,ðŽw'è,.,é,Æ[]AŠÈ'P,Éftf@fCf<,ðÄÄ¶,Á,«,Ü,·[]B

[Š],]

Ž••³,lfRf“fsf...[]f^,É•Ü'¶,³,è,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<ß,lfjf@fCf<,ðŠ],]

[[]Á<ß,lfjf@fCf<,ðŠ],] fRf}f“fh,ðŽg,Á,Ä[]A[]Á<ß[]Ä¶,μ,½fNfŠfbfv,ðÄÄ¶,Á,«,Ü,·[]B[ftf@fCf<] fffjf...[].] [[]Á<ß,lfjf@fCf<,ðŠ],] ,ðf[]fCf“fg,.,é,Æ[]A[]Á<ß[]Ä¶,μ,½fNfŠfbfv,ì-¼'O,²·\ Ž!,³,è,Ü,·[]BfNfŠfbfv,ðÄÄ¶,.,é,É,í[]A—Ú“ì,lfNfŠfbfv,ðfNfŠfbfN,μ,Ü,·[]BfNfŠfbfv,ðŠ],,Æ,«,É[]AWWW fuf %ofEfU,ð<N“®,.,é•K—v,í, ,è,Ü,¹,ñ[]B·W[]€,ì[]Ý'è,Á,í[]A4 ,Á,lfNfŠfbfv,²·\Ž!,³,è,Ü,·,²[]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[],.lf[]fbfZ[]fW
- [·\Ž!] fffjf...]
- [fNfŠfbfv] fffjf...]
- [ftfCfg] fffjf...]
- fgf%ofuf<fvf...[]fefBf“fO



[•\Ž!} f[]ffj...[]

[•\Ž!} f[]ffj...[][,Á,íARealAudio Player ,É•\Ž!,³,é,é€-
Ú,ðŸ'è,μ,½,è[]Afi[]fffBfi,âfjfbfgf[]fN,ìŸ'è,ð•îX,μ,½,è,Á,«,Ü,·[]B

[]î•ñ,Æf{fŠf...[]f€

fNfŠfbfv,ìf^fCfjf<[]A[]î-ŽÒ[]A'~[]iCE []î•ñ[]A,“,æ,Ñ%¹-É'²[]B,Á,Ü,Ÿ,^a•\Ž!,³,é,Ü,·[]B%¹-
É,ð'²[]B,·,é,É,íA%¹-É'²[]B,Á,Ü,Ÿ,ð[]ã%²,Éfhf%[]fbfO,μ,Ü,·[]B%¹-É'²[]B,Á,Ü,Ÿ,^a•\
Ž!,³,é,É,ç[]ê[]#,í[]AWindows ,ìfTfEf“fh fhf%[]Cfo,^a RealAudio Player ,É,Ç,ìfXf^f“fh fAf[]f“ fvf[]fOf%[]f€,ì
%¹-É'²[]B<@“\,É'î%Ž,μ,Á,ç,Ü,¹,ñ[]B

[fXfe[]f^fXfo[]]

fXfe[]f^fXfo[],^a•\Ž!,³,é,Ü,·[]BfXfe[]f^fXfo[],É,íARealAudio Player ,ìCE»[]Ÿ,ìó'Ô[]ARealAudio
ftf@fCf<,ì'•³,Æ[]Á[]î'É'u[]A,“,æ,Ñf[]ffj...[] [fRf}f“fh,ì[]à-¾,^a•\Ž!,³,é,Ü,·[]B

[Šî-{}Ÿ'è]

[Šî-{}Ÿ'è] f_fCfAf[]fO f{fbfNfX,^a•\Ž!,³,é,Ü,·[]B[Šî-{}Ÿ'è] f_fCfAf[]fO f{fbfNfX,Á,íARealAudio Player
,ì,³,Ü,·,Ü,ÈŸ'è,ð•îX,Á,«,Ü,·[]B,Ü,©,ì•û-@,Á [Šî-{}Ÿ'è] f_fCfAf[]fO f{fbfNfX,ð•\Ž!,·,é,É,íA[RealAudio
Player] fEfBf“fhfE,ðf}fEfX,ì%[]Ef{f^f“,ÁfNfŠfbfN,μ[]A[Šî-{}Ÿ'è,ì•îX] ,ðfNfŠfbfN,·,é,©[]A,Ü,½,í **Ctrl**
fL[],ð%[]Ÿ,μ,É,^a,ç **P** fL[],ð%[]Ÿ,μ,Ü,·[]BfNfŠfbfv,ì[]Á[]î'+,ì[]A[Šî-{}Ÿ'è] f_fCfAf[]fO
f{fbfNfX,ìŸ'è,ì•îX,Á,«,Ü,¹,ñ[]B

[“[]CEv]

[[]Ú'±,ì“[]CEv] f_fCfAf[]fO f{fbfNfX,^a•\Ž!,³,é[]ARealAudio ftf@fCf<,ì“]-,ì“[]CEv[]î•ñ,^a•\
Ž!,³,é,Ü,·[]B,Ü,©,ì•û-@,Á[[]Ú'±,ì“[]CEv] f_fCfAf[]fO f{fbfNfX,ð•\Ž!,·,é,É,íA[RealAudio Player]
fEfBf“fhfE,ðf}fEfX,ì%[]Ef{f^f“,ÁfNfŠfbfN,μ[]A[“[]CEv,ì•\Ž!] ,ðfNfŠfbfN,μ,Ü,·[]B

[]í,ÉŽè'O,É•\Ž!]

[RealAudio Player] fEfBf“fhfE,^afAfNfefBfu,Á,È,ç[]ê[]#,à[]A,Ü,©,ìfEfBf“fhfE,æ,èŽè'O,É•\Ž!,³,é,é,æ,¸
,É,È,è,Ü,·[]B,±,ìfRf}f“fh,ðŽg,¸,Æ[]AfCf“f^[]f[]fbfg fGfNfXfvf[]f%[]ðŽg,Á,Á,ç,é,Æ,«,Á,à RealAudio
Player ,ìó'Ó,ðŠm“F,Á,«,é,æ,¸,É,È,è,Ü,·[]B

ŠÖ~A€-Ú

- í,ñ,ß,É
- fXfe[]f^fXfo[].ìf[]fbfZ[]fW
- [ftf@fCf<] f[]ffj...[]
- [fNfŠfbfv] f[]ffj...[]
- [fTfCfg] f[]ffj...[]
- f[]gf%[]fuf<fvf...[]fEfBf“fO



[•\Ž:] f fjf... [l, i] [Ši- {Ÿ'è] f_fCfAf fO f{fbfNfX

[Ši- {Ÿ'è] f_fCfAf fO f{fbfNfX, Å, í ARealAudio Player , ì Ÿ'è, â Af fbf g f [fN Ÿ' ± Afvf fL fV fT [fo [A %o¹, ì o— í, È, Ç, ì Ÿ'è, ð • ì X, Å, «, Û, · BfNfŠfbfv, ì Ä q' t, í A Ÿ'è, í • ì X, Å, «, Û, ¹, ñ B [Ši- {Ÿ'è] f_fCfAf fO f{fbfNfX, É, í A4 , Å, ì f^ fu, a, , è, Û, · B Ÿ'è x, É, Å, ç, Ä, í A Ž Ÿ, ì €- Û, ð Ž Q Æ, µ, Ä, , ¾, ³, ç B

- [Ÿ'è] f^fu
- [f fbf g f [fN] f^fu
- [fvf [fL fV] f^fu
- [Ÿ'è x Ÿ'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□[fffBfi,ìŽ,ð—D□æ]/[CPU ,ìŽg—p—,ì,ð'á,]

RealAudio 28.8 fAf<fSfŠfYf€,Ā□Ā□ŋ,³,é,é%°¹□°,ì•iŽ,ð□Ā,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^,ª□Ā,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□ē□#,í□A,Ā,Ů,Ÿ,ðfhf %°fbfO,μ,Āfì□[fffBfi,ìŽ,Æ CPU ,ìŽg—p—,ì,ìf°f%°f" fX,ð²□@,μ,Ů,•B•W□€,ìŸ'è,Ā,ìfì□[fffBfi,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,Ÿ,ð%°E,Ōfhf%°fbfO,μ,Ů,•B

[“~Šúf}f<f f□fffBfA] 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%°fCfh fVf#□[,ð•\Ž|,•,é,Æ,«,ÉŽg,ç,Ů,•B•W□€ ,ìŸ'è,Ā,í□A["~Šúf}f<f f□fffBfA] 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□fffBfA] f fFfbfN f{fbfNfX,ðf|ft,É,μ,Ů,•B



[Ši-{"ý'è} f_fcFAfFO f{fbfNfX,ì [flfbfgf[]fN] f^fu

[Ši-{"ý'è} f_fcFAfFO f{fbfNfX,ì [flfbfgf[]fN] f^fu,Å,íAZÿ,ìî•ñ,ðý'è,μ,Û,·□B

- fl[]fffbfl,ìžóM•û-@
- fT[]fo[],É[]ú'±,·,é,Û,Å,ì'ò,žžšô
- fT[]fo[],É"□CEv[]î•ñ,ð'—□M,·,é,©,ç,α,©
- ff[]f^,ì'ž,·,ð□C•œ,·,é,©,ç,α,©

,±,é,ç,ìî•ñ,ìý'è,É,íAFCf" f^[]flfbfg fv[]fgRf<,·,æ,Ñftf@fCf,,fEfH[]f<,ÉŠÖ,·,éŠî-{"í,É'mž",·,a•K—
v,Å,·□B

[f[]fffbfl,ìžóM•û-@]

•W□€,ìý'è,Å,íAfi[]fffbfl,ìff[]f^,í UDP

f[]fPfbfg,Æ,μ,ÅžóM,³,é,Û,·□Bf[]fPfbfg,ð'í•É,·,éftf@fCf,,fEfH[]f<,ì"à"α,É,·,éRf"fsf...[]f^,Å,íAUDP
f[]fPfbfg,ðžóM,Å,«,É,ç,±,Æ,ª,·,è,Û,·□B,±,ìê[]±,íA[TCP],·,ðfNfšfbfN,μ,Û,·□B

'□

- ^É'ò,ìfx[]f^"Å,ì RealAudio 2.0 fT[]fo[],íA[TCP] flfvfVf" f",É'í%ž,μ,Å,ç,Û,¹,ñ□B,±
,ìê[]±Afxfe[]f^fxfo[],É "□",·,ðfobftf@fšf"fo,μ,Å,ç,Û,·□B",·,Æ,ç,xf[]fbfz[]fW,ª•\žì,³,é□A
%¹□²,ª□Á□¶,³,é,Û,¹,ñ□BRealAudio 2.0 fT[]fo[],Ö,ìfAfbfVfOfCE[]fh,É,Å,ç,Ä,íAft[]fo[],ìšç—□žò,É,·-
â,ç[]±,ì,¹,³/4,³,ç□B

[žw'è,ì UDP f[]fg,ðžg—p] f'fffbfN f{fbfNfX

UDP f[]fPfbfg,ð'Á'è,ìf[]fg,©,çžóM,Å,«,é,æ,α,Éftf@fCf,,fEfH[]f<,ªý'è,μ,Å,·,éê[]±,É□AZw'è,μ,½ UDP f[]
[]fg,ðžg,α,æ,α,É,μ,Û,·□BRealAudio Player ,Å UDP f[]fPfbfg,ðžóM,·,é,É,íA1000 ,©,ç 9999 ,Û,Å,ìf[]
[]fg"ô[]±,ðžw'è,μ,Û,·□Bžw'è,·,éf[]fg"ô[]±,É,Å,ç,Ä,íAftf@fCf,,fEfH[]f<,ìšç—□žò,É,·-à,ç[]±,ì,¹,³/4,³,ç□B

'□

- RealAudio ,ì TCP f[]fPfbfg,É,íAfi[]fg"ô[]± 7070 ,³/4,·,ðžg—p,Å,«,Û,·□B

[fT[]fo[],ìf^fcFefAfefg]

RealAudio fT[]fo[],Ö,ìú'±,ªšm—š,³,é,é,Û,Å'ò,Å•b□",ðžw'è,μ,Û,·□Bžw'è,μ,½žžšô"à,É[]ú'±

,Å,«,É,ç[]ê[]±,íAšm" f,ìf_fcFAfFO f{fbfNfX,ª•\žì,³,é,Û,·□B•W□€,ì'í,í 90 •b,Å,·□B0

•b,É,·,é,Æ□A^fcFefAfefg,ì"□¶,μ,Û,¹,ñ□B

[{"CEv,ð'—□M,·,é} f'fffbfN f{fbfNfX

fNfšfbfv,ì□Ä□¶,ªš@—¹,μ,½CEã,É□A"□CEv[]î•ñ,ð RealAudio fT[]fo[],É'—,è•Ö,·,æ,α,É,μ,Û,·□BRealAudio

Player ,Å,íAFCf" f^[]flfbfg fT[]f[]fX fv[]fofCf_,"ª"—•ižì,ðšç—□,Å,«,é,æ,α,É,·,é,½,β□A"¹"—,ì"□CEv[]î•ñ,ª

RealAudio fT[]fo[],É'—□M,³,é,Û,·□B"□CEv[]î•ñ,ì"à—e,íA["□CEv[]î•ñ] f_fcFAfFO f{fbfNfX,É•\

žì,³,é,é,à,ì,Æ"—,¶,Å,·□B'—□M,³,é,é"à—e,ìžÿ,ì,Æ,·,è,Å,·□B

- "žóMf[]fPfbfg□"
- "¹ž_f[]fPfbfg□"
- 'x%,,f[]fPfbfg□"
- '□"...f[]fPfbfg□"
- "j'f[]fPfbfg□"

RealAudio Player ,Å,íAft[]fU[][-¼□A"džqf[]f<

fAfhfCEfX□AfpfX□[]fh,É,ç□Aft[]fU[],ðž'•É,·,éíî•ñ,ª"ç,Ý□o,³,é,½,è□ARealAudio fT[]fo[],É'—

□M,³,é,½,è,·,é,±,Æ,í,·,è,Û,¹,ñ□B

[¹ž,·,ð□C•œ,·,é} f'fffbfN f{fbfNfX

RealAudio fT[]fo[],Æ RealAudio Player ŠÖ,Å,ìf[]fPfbfg,ì¹ž,ª•â□³,³,é,é,æ,α,É,μ,Û,·□Bf[]fPfbfg,ì¹ž,ª"-

□¶,μ,Å,ç,é[]ê[]±,íA'Z,ç□U" @%¹,ª•,±,ì,Û,·□B["¹ž,·,ð□C•œ,·,é} f'fffbfN

f{fbfNfX,ðf[]ft,É,·,é,Æ□A'¹ž_f[]fPfbfg,ìfXfLfbfv,³,é,Û,·□B

[¹Ñ^æ•□]

fCf“f^[]f]fbfg[]Ú’±,ìŽí—p,đŽw’è,μ,Ü,·[]BRealAudio ,]fTfCfg,Å,í[]A’Ñ^æ•[]f]fSfVfG[]]fVf#f“,ÆCEÄ,î,ê,é<@”\ ,đŽg,Á,Ä RealAudio ,]fT[]]f]fX,đ’ñ<Ÿ,·,é,±,Æ,ª,Å,«,Ü,·[]B,±,ì<@”\,đŽg,π,Æ[]A1 ,Ä,]fVf#[]]f]f]fbfg,Å 14.4 fAf<fSfŠfYf€,Æ 28.8 fAf<fSfŠfYf€,ì—¼•ù,]ftf@fCf<,đ’ñ<Ÿ,Å,«,Ü,·[]BfVf#[]]f]f]fbfg,đŽÄ[]s,·,é,Æ[]A,“Žg,ç,ì RealAudio Player ,ÉŠÖ,·,é[]í•ñ,ªfT[]]fo[]],É’—,ç,ê[]A“K[]Ø,ÈŽí— p,]ftf@fCf<,đŽó[]M,Å,«,Ü,·[]BŽó[]M,·,éftf@fCf<,ìŽí—p,í[]AfCf“f^[]f]fbfg[]Ú’±,ì’Ê[]M’—“x,É,à %œ<¿,³,ê,Ü,·[]B



[Šî-{-Ÿ'è} f_cjAfo f{fbjNfX,ì [fvfLfv] f^fu

fvfLfv fT[fo[.íALAN ,ÆfCf“f^[]fjfbfg,ìŠÔ,ì-hCèì•Ç,ì-đŠ,,đ%è,½,μ,Û,·BfvfLfv fT[fo[.íALAN ,ÉÚ'±,³,è,Ä,ç,éRf“fsf...[]f^,ÆfCf“f^[]fjfbfg,Æ,ìŠÔ,Á•s³,Èff[f^CèđŠ,³s,í,è,È,ç,æ,π,ÉŠÇ—,μ,Ä,ç ,Û,·BRealAudio Player 2.0 ,Á,íA[Šî-{-Ÿ'è} f_cjAfo f{fbjNfX,ì [fvfLfv] f^fu,ÁfvfLfv fT[fo[.ìî•ñ,đŸ'è,μ,Û,·B

[fvfLfv,đŽg—p] f`fFbjN f{fbjNfX

fvfLfv fT[fo[.đCeo—R,μ,Ä RealAudio fT[fo[.ÉÚ'±,·,é,æ,π,É,μ,Û,·B,±,ìf`fFbjN f{fbjNfX,đfj“ ,É,μ,½èè,íA fzfXfg-¼,Æf[]fg”Ô†,đŽw'è,·,é•K—v,ª ,è,Û,·B

[fzfXfg]

fvfLfv fT[fo[.ìfhf[]Cf“-¼,Û,½,í IP fAfhfCfX,đ“ü—í,·,éèèŠ,Á,·Bftf@fCf,,fEfH[]f<,đCeo— R,·,éèè,ìfvfLfv fT[fo[.ìfzfXfg-¼,É,Á,ç,Ä,íAftf@fCf,,fEfH[]f<,ìŠÇ—ŽÒ,É,“-à,ç,í,¹,,¾,³,çB

[f[]fg]

fvfLfv fT[fo[.Æ'ÉM,·,é,Æ,«,ÉŽg—p,·,é[]fg”Ô†,đ“ü—í,·,éèèŠ,Á,·Bftf@fCf,,fEfH[]f<,đCeo— R,·,éèè,ìf[]fg”Ô†,É,Á,ç,Ä,íAftf@fCf,,fEfH[]f<,ìŠÇ—ŽÒ,É,“-à,ç,í,¹,,¾,³,çB

[fvfLfv,đŽg—p,μ,È,ç]

fvfLfv fT[fo[.đCeo—R,μ,È,çf[]fj< fzfXfg,ìfhf[]Cf“-¼,Û,½,í IP fAfhfCfX,đ“ü— í,·,éèèŠ,Á,·BŽw'è,·,é[]fj< fzfXfg,É,Á,ç,Ä,íAftf@fCf,,fEfH[]f<,ìŠÇ—ŽÒ,É,“-à,ç,í,¹,,¾,³,çB



[Šî-{-Ÿ'è} f_cJfjfo f{fbfNfX,ì [-Ú×Ÿ'è} f^fu

ftTfEf“fh fj[]fh,ìCEŸŠ·□«,É-â'è,ª, ,é□é□‡,É,¾, □A,±,ì`fFfbfN f{fbfNfX,ðfif“ ,É,μ,Ä,,¾,¾,¾,ç□B'Éí,í□A16

[8 frfbfg,ìŸŽg—p] f`fFfbfN f{fbfNfX

ftTfEf“fh fj[]fh,ìCEŸŠ·□«,É-â'è,ª, ,é□é□‡,É,¾, □A,±,ì`fFfbfN f{fbfNfX,ðfif“ ,É,μ,Ä,,¾,¾,¾,ç□B'Éí,í□A16
frfbfg,ìftTfEf“fh ff[]f^,ªftTfEf“fh fj[]fh,É'—,ç,è,Ü,·□B,¾,¾,¾,μ□A8 frfbfg ftTfEf“fh fj[]fh,ðŽg,Á,Ä,ç
,é□é□‡,í□AZ©“®“l,É 8 frfbfg,ìftTfEf“fh ff[]f^,ª'—,ç,è,Ü,·□BftTfEf“fh fj[]fh,ª 16 frfbfg,ìftTfEf“fh□Ä□¶,É'í
%ž,μ,Ä,ç,É,ç,±,Æ,ª“FŽ` ,ª,è,Ä,ç,É,ç□é□‡,í□AfNfŠfbfv,ð□Ä□¶,·,é,Æ^Üí,È%ª¹,ª,μ,Ü,·□B,±,ì,æ,x
,É□é□‡,É,±,ì`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□A·W□€,ì 16 frfbfg ftTfEf“fh□Ä□¶,ì□Ÿ'è,ª·ì□X,¾,è□A8 frfbfg
ftTfEf“fh,Ä□Ä□¶,¾,è,Ü,·□B

[11KHz ,ìŸŽg—p] f`fFfbfN f{fbfNfX

ftTfEf“fh fj[]fh,ìCEŸŠ·□«,É-â'è,ª, ,é□é□‡,É,¾, □A,±,ì`fFfbfN f{fbfNfX,ðfif“ ,É,μ,Ä,,¾,¾,¾,ç□B'Éí,í□A8KHz
,ìftTfEf“fh ff[]f^,ªftTfEf“fh fj[]fh,É'—,ç,è,Ü,·□B8KHz ,ìftf“fvfŠf“fOŽü”g□“ ,É'í%ž,μ,Ä,ç,É,çftTfEf“fh
fj[]fh,ðŽg,Á,Ä,ç,é□é□‡,í□A□Ä□¶%ª¹,ª□,,·,±,ì,¾,è□A^Üí,É'—,·,±,ì,¾,è,μ,Ü,·□B,±,ì,æ,x,É□é□‡,É,±
,ì`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□AftTfEf“fh ff[]f^,ª 11KHz ,É·İŠ,¾,è,ÄftTfEf“fh fj[]fh,É'—
,ç,è,Ü,·□B,¾,¾,¾,μ□A,±,ì`fFfbfN f{fbfNfX,ðfif“ ,É,·,é,Æ□AftTfEf“fh,ð□Ä□¶,·,é,Æ,« ,Éfvf□fZfbfT,É,©,©,é·
%ª'S,ª'â,«,,É,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,ê,Ü,·B,± ,ìf_fCfAf{fo f{fbfNfX,É,íARealAudio fT[fo[,Æ RealAudio Player ŠŌ,Ā,ì“]’—,ì“CEv[í•ň,ª•\ Ž!,ª,ê,Ü,·B•\Ž!,ª,ê,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 ,_đ[C•œ, , ,é] f ffbfN f{fbfNfX,ªfift,É,È,Ā,Ā,ç,éè[,íAfpfPfbfg,ªfXflfbfv,ª,ê,é,±,Æ,ª ,è,Ü,·B

fpfPfbfg,ì¹Ž , ,ĀĀ[%¹Ž ; ,ª^«%o» , ,éCE ^ ö ,Æ,µ,Ā,íA ^ èŽŽ“l,Éfifbfg[[fN,ì’É[MáŠQ,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’É[M,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,·BÚ×,É,Ā,ç,Ā,íAfcf“f^ [flfbfg fT[frfX fvf[fofCf_ ,É,“ -â,ç[, , ,¾,ª,ç[B

fpfPfbfg,ì¹Ž , ,ª“[, , ,é,Æ[A[fz[[f€] f{f^f“ ,É^îÈ,ìŠG,ª•\Ž!,ª,ê,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‡□[fgf]fbfg,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

ŠÖ~A□€-Ú

- _____,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 f f f... [

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

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RealAudio Guide
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RealAudio Help

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