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Configure

Load

Open

Pause

Play

Resume

Set

Door open

Door closed

Speed factor value

Time format frames

Time format milliseconds

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Left volume to value

Right volume to value

Left on/off

Right on/off

Status

Step

By frames value

Reverse

Stop

Update

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ŽŸ,İf}fNf□,đŽg,Ä,Ä,±,ê,đ'¼,·,±,Æª,Ä,«„Ü,·□F

□m%ffofCfX%□n,ÍCE»□ÝŽg,İ,ê,Ä,ç,éffofCfX,Ü,½,İfhf%ofCfu,đ•\,İ,μ,Ä,ç
,Ü,·□B□m%ftfHf<f_□n,İfAvfŠfP□[fVf‡f“,İfz□[f€ftfHf<f_□,đ•\,İ,μ,Ü,·□B

fİfvfVf‡f“,đŽg,Ä,Ä□A'O,İfRf}f“fh,đŽŸ,İ,æ,□,É□',«'¼,·,±,Æª,Ä,«„Ü,·□F

□mOPEN %ffofCfX%%ftfHf<f_□ASTRO.MID •Ê—¼ YAHOO□n

,±,İ•¶Žš—ñ,ª□³Šm,É“ü—Í,³,ê,é,±,Æ,Ä□AMCIIfvXfef€,İfAvfŠfP□[fVf‡f“,ªŽÀ□Ü,É,ç,±,İ□ê□Š,É, ,
Ä,Ä,à□ACE»□Ý,İfAvfŠfP□[fVf‡f“,İftfHf<f_□,©,ç'¼□Ü□gASTRO.MID□h,đ“ç,Ý□Ž,Ý,Ü,·□B

f m□[fg□Ff}fNf□,İMCIIfufWfFfNfg,Ä,İ,ÝŽg—p,Ä,«□Aftf@fCf<—¼,đCE©,Ä,¯,éŽŽ,İ,Ý—

$L \in \emptyset, \mathbb{A}, \square B$

MCI*fRf}**f“fh*

•Ö—,È*fRf}**f“fh*,ì*fŠfXfg*□F□iŠ*e fRf}**f“fh*,lŠT—v□à–¾,Í,»,ê,¼,ê,ì*fRf}**f“fh*□€–
Ú,ðŽQ□Æ,μ,Ä%°°,³,¢□B□j

- **close**
- **configure**
- **load**
- **open**
- **pause**
- **play**
- **resume**
- **set**
- **door open**
- **door closed**
- **speed factor value**
- **time format frames**
- **time format milliseconds**
- **setaudio**
- **left volume to value**
- **right volume to value**
- **left on/off**
- **right on/off**
- **status**
- **step**
- **by frames value**
- **reverse**
- **stop**
- **update**

Close

mclosetnfRf}f“fh,íA—
¹,µ,½,Æ,«ffofCfX,ð•Â,¶,Ü,·BflufWfFfNfg,ìŠÂ««Ý'è,ìlfvfVf‡f“,Å,±,ê,ðŽ©“®“l,ÉŒÄ,Ño,·,±
,Æ,ª,Å,«,Ü,·B

Configure

mconfigurenfRf}f“fh,íA"C^Ó,ì\¬f{fbfNfX,đ•Ž!,μA,»,ê,Å%æ–
Ê,©,çffofCfX,đY'è,.,é,±,Æ,^a,Å,«,Ü,.B•ïX,Å,«,é'€ï'•u,ìŠOŠï,Æ'l,íffofCfX,É,æ,Á,Ä^á,¢,Ü,.B

Load

□mload□nfRf}f“fh,í□A□V,μ,¢ftf@fCf<,ďfAfvfŠfP□[fVf‡f“,É“Ç,Ý□ž,Ý,Ü,·□B

Open

□mopen□nfRf}}f“fh,Í□A□Ä□¶,.,é,½,ß,ÉffofCfX,ð□€"ð,μ,Ü,.□B

Pause

mpausenfRf}f“fh,íAÆ»Ý,ìfgf%fbfN,Å“®ì,ðêŽž“l,ÉŽ~,ß,Ü,.B

Play

□mplay□nfRf}f“fh,í□A'I'ð,μ,½□Ý'è,É□],Á,Äf□ffBfA,ð□Ä□¶,μ,Ü,·□B

,±,ìfRf}f“fh,ìÆã,É□A%°«L,ì□î•ñf%oCf“,ð}“ü,μ,Ä%°³,¢□B

- □mfrom pos value□n,í□A“ü—í,³,ê,½'l,îÊ'u,©,ç□Ä□¶,μ,Ü,·□B
- □mrepeat□n,í□A□Ä□¶,ð~A'±“l,ÉÆJ,è•Ô,μ,Ü,·□B
- □mreverse□n,í□Af□ffBfA,ð«t,É□Ä□¶,μ,Ü,·!
- □mto pos value□n,í□AÆ»□Ý,îÊ'u,©,ç“ü—í,³,ê,½'l,îÊ'u,Ü,Å□Ä□¶,μ,Ü,·□B

Resume

mresume n f R f } f “ f h , í A ^ ê ž ž ‘ â ž ~ , ³ , ê , Ä , ¢ , ½ , à , ì , ð Ä , Ñ Ä ¶ , µ , Ü , · B

Set

□mset□nfRf}f“fh,í□AfffofCfX,ÉfIfvVf‡f“,đ□Ý’è,μ,Ü,·□B

Door open

□mdoor open□nfRf}}f“fh,í□ACDfhf%°fCfu,lfhfA,đŠJ,«,Ü,.(fI□[ffBfICD,ì,Ý)□B

Door closed

□**door closed**□nfRf}f“fh,Í□ACDfhf%_fCfu,lfhfA,ð•Â,¶,Ü,.(fI□[ffBfICD,ì,Ý)□B

Speed facor value

mspeed facor valuenfRf}f“fh,íAÄ¶¬“x,ð'l'ð,μ,½'l,Éã,°,Ü,·B

Time format frames

time format frames
nfhíAft[fa,îÊ'u,ðEv,è,Ü,.B

Time format milliseconds

time format milliseconds

Setaudio

□msetaudio□nfRf}}f“fh,Í□AfI□[ffBfI,ìfgf%bfN,âfTfEf“fhfGftfFfNfg,ì□Ý'è,ð,μ,Ü,·□B

Left volume to value

left volume to valuenfRf}f“fh,íAfxfefÆfl,ì¶f`fff“flf<,ìf{fŠf...[f€,đY’è,μ,Ü,.B

Right volume to value

□mright volume to value□nfRf}f“fh,í□AfXfefŒfl,ì%Ef`fff“flf<,ìf{fŠf...□[f€
,đ□Ý`è,μ,Ü,·□B

Left on/off

□ **left on** □ n f R f } f " f h , í □ A □ ¶ f ` f f f " f l f < , ò f X f C f b f ` , ð " ü , ê , Ü , · □ B

□ **left off** □ n f R f } f " f h , í □ A □ ¶ f ` f f f " f l f < , ò f X f C f b f ` , ð □ Ø , ê , Ü , · □ B

Right on/off

□ **mrigh** **on** □ nfRf } $f^{\text{“fh,Í□A□}\text{f`fff“flf<,lfXfCfbf`},\delta^{\text{“ü,ê,Ü,.□B}}$

□ **mrigh** **off** □ nfRf } $f^{\text{“fh,Í□A□}\text{f`fff“flf<,lfXfCfbf`},\delta^{\text{□Ø,è,Ü,.□B}}$

Status

□mstatus□nfRf}}f“fh,í□AfffofCfX,ì□ó‘Ô,ð“Ç,ÝŽæ,è,Ü,·□B

Step

□mstep□nfRf}f“fh,í□AfAfj f□□[fVf±f“ftf☒□[f€‚đ‚Đ‚Æ‚Â‚‚Â^Ú“®‚μ‚Ü‚·□B

By frames value

▯mby frames value▯nfRf}f“fh,í▯A'I'ð,³,ê,½ftfŒ▯[f€"Ô▯†,ð▯Ä▯¶,μ,Ü,·▯B

Reverse

reverse“fh,íAfNfŠbfv,ðt,ÉÄ¶,μ,Ü,·B

Stop

□mstop□nfRf}f“fh,Í□AÆ»□Ý,îÊ'u,Å□Ä□¶,ð'âŽ~,μ,Ü,·□B

Update

□mupdate□nfRf}f“fh,Í□AfrfflfEfBf“fhfE,đ□Ä•Ž!,μ,Ü,·□B

”j%ó

□m”j%ó□nfAfNfVf‡f“,í□AfAfvfŠfP□[fVf‡f“,ì□l—¹,Ü,Å'ì'đ,³,ê,Ä,¢
,éMClfIfufWfFfNfg,ìfXfCfbf`,đ□Ø,è,Ü,·□BfIfufWfFfNfg,É,Ç,ñ,È,ÉfAfNfZfX,μ,æ,σ,Æ,μ,Ä,à–
³Ž<,μ,Ü,·□B

MCIffufWfFfNfg,ìðœ

ðœ,ðŽg,ÆMCIffufWfFfNfg,îê"Ê"İ,È'€ì,ª,Å,«,Ü,·Bœø%Ê,ÍffofCfX,É"ü—
Í,µ,½ÅV,ìfRf}f"fh,É¶%E,³,ê,Ü,·B

MCIfRf}f"fh,ìSfŠfXfg,ÍMicrosoft,Ü,½,Í,ˆC,É"ü,è,ìlf"f%fCf"ft[frfX,ìf}
f<f`f¶ffBfAfZfNfVf‡f",©,ç"üŽè,·,é,±,Æ,ª,Å,«,Ü,·B

MCIffufWfFfNfg,É—~—p,Å,«,éðœ

- -ß,è"Ô†,Æ"äŠr
- -ß,è•¶Žš—ñ,Æ"äŠr

-ß,è"Ô□†,Æ"ăŠr

□m-ß,è"Ô□†,Æ"ăŠr□n,Í‘O,ÉĖĂ,Ñ□o,μ,½MClfRf}f“fh,Ĺ-
ß,Á,Ă,«,½l,đ“Ç,ÝŽæ,è□A,»,ê,ÆfL□[f{□[fh,©,ç“ü—Í,μ,½"Ô□†,Æ,đ"ăŠr,μ,Ü,·□B

,±,lfRf}f“fh,đŽg,▯
,Æ□A^Ê‘u□AfrfflV□[fPf“fX,ì□ó‘Ô□AfTfEf“fhfNfŠfbfv,ìĖp‘±ŽžŠÔ,È,Ç,đf`fFfbfN,·,é,±
,Æ,ª,Ĺ,«,Ü,·□B

-ß,è•¶Žš—ñ,Æ”ăŠr

□m-ß,è•¶Žš—ñ,Æ”ăŠr□n,í¼‘O,ÉŽÀ□s,μ,½MClfRf}
f“fh,©,ç“Ç,ÝŽæ,Á,½fefLXfg,đ□A‘l‘đ,μ,½•¶Žš—ñ,Æ”ăŠr,·,é,±,Æ,^a,Å,«,«,Ü,·.□B

MCIfIfufWfFfNfg,İŠÖ"

,±,ê,ç,İŠÖ",đŽg,α,Æ□AfAfvfŠfP□[fVf‡f""à,İMCIfIfufWfFfNfg,İ□ó‘Ô,đf`fFfbfN,·,é,±
,Æ,^a,Å,«,Ü,·□BfIfvfVf‡f“,Í□,È,¢,İ,Å,·,^a□A,»,ê,¼,ê,^a—İ□X,È□î•ñ,đ□Y’è,Å,«,Ü,·□B—
p,Å,«,éŠÖ",Í□F

- -ß,è'l
- -ß,è—ñ
- f%_ofXfgfGf%_o□["Ô□†

-ß,è'l

fAfvfŠfP□[fVf‡f“,©,ç□ÅŒã,ÉŒÄ,Ñ□o,³ê,½MCl‘€□ì,ìŒ<%Œ,ð-ß,μ,Ü,·□B,±,ì'l,íŒÄ,Ñ□o,μ,½fRf}
f“fh,îŽí—
p,É,æ,Á,Ä^Ù,È,è,Ü,·□BfI□[ffBfICDfIfufWfFfNfg,ì□ê□‡,í□A□‡Œv□Ä□¶ŽžŠÔ,âfgf%fbfN"Ô□
†,ð“Ç,ÝŽæ,è,Ü,·□BAVI,Å,í□AŒ»□Ý,ìftfŒ□[f€,ð“Ç,ÝŽæ,è,Ü,·□B

ŽQ□Æ□F

‘ă•“l,ÈfRf}f“fh

‘ă•\“l,ÈfRf}f“fh

ˆÈ%°,ìfRf}f“fh,^a,,è,Ü,·□F

- ŽÀ□s%°Â”\
- □¶□□^%°E□o—Íf{fŠf...□[f€
- Œ»□Ý,ìfgf%°fbfN
- fffBfXfNfXfy□[fXfhf%°fCfu
- ‘O
- ‘,³
- fgf%°fbfN”Ô□†,ì’³
- Œ»□Ý,ìf□ffBfA
- fgf%°fbfN”Ô□†
- êŽž’âž~f,□[fh
- ˆÊ’u
- fgf%°fbfN”Ô□†,ìˆÊ’u
- ‘¬“x
- ŠJŽnˆÊ’u
- f^fCf€Œ`Ž®
- fEfBf“fhfE%°ÂŽ<

-ß,è•¶Žš—ň

□m-ß,è•¶Žš—ň□n,Í□A'1'ð,³ê,¹/₂MC|f f o f C f X,©,ç•¶Žš—ň,ð“Ç,ÝŽæ,è,Ü,·□B•¶Žš—
ň,ÍŒ»□Ý,Ìt f Œ□[f €-¹/₄,©,ç f C f “f X f g f D f < f □ f “f g-¹/₄,Ü,Å%¹/₂,Å,à•\Œ»,μ,Ü,·□B

f%_ofXfgfGf%_o["Ô†

□mf%_ofXfgfGf%_o["Ô†*□n,ÍMClffofCfX,Å*□*¶*□*¬,*³*,ê,*¹/₂*f%_ofXfgfGf%_o["Ô*†*,ð“Ç,ÝŽæ,è,Ü,·*□*B*
0,ì□*ê*□*‡,ÍfGf%_o["*^a*,Ë,¢,±,Æ,ðŽ',μ,Ä,¢,Ü,·*□*B'*¹/₄*,ì*□*"Žš,Í-â*'*è,*^a*, ,é,±,Æ,ðŽw“E,μ,Ä,¢,Ü,·*□*B*

MCI*fIfufWfFfNfgf*□*fjf*...□[

*ftf*Æ□[*f€fGffBf^,Å*□AMCI*fIfufWfFfNfg*,ð%*EfNfŠfbfN*,μ%°<L,*lfIfvfVf‡f*“,ì, ,*éf*|
fbfvfAfbfvf□*fjf*...□[,ð•Ž!,μ,Ü,·□F

- □Ý'è
- *fAfCfRf*“•Ò□W
- □®—ñ

□Ý'è

□m□Ý'è□nflfvfVf‡f“,ÅMClflfuFWfFfNfg,ÌŽÀ□s•û-@,đ'è<`,.,é,±,Æ,^aÅ,«,Ü,·□B

fffofCfX-¼

,±,Ìf{fbfNfX,ÅMClflfuFWfFfNfg,đŽw'è,ÌfffofCfX,ÉŽw'è,μ,Ü,·□B-¼'O,Í□¬•ŋŽš,Ì,Ý,Å“ü—
Í,μ,Ä%^{o,3},¢□BfNfŠfbfN□•fNfŠfGfCfG,Í,±,ÌfffofCfX,đŽg,ƞ'O,É“ü—Í,³ê,½-¼'O,^a—LÆø,©,Ç,ƞ
,©,đf`fFfbfN,μ,Ü,·□BŠÔ^á,!,½□ê□‡□AfRf}f“fh,Í-³Ž<,³ê,Ü,·□B

flfvfVf‡f“

MClfffofCfX,É,Í•Ž!,đ^êŽž'âŽ~,μ,½,Æ,«'Ç%Á□î•ñ,đ“ü—Í,.,é•K—v,^a,,é,à,Ì,à,,è,Ü,·□F

- □m^êŽž'âŽ~□nfRf}f“fh,Í□m^êŽž'âŽ~□nflfvfVf‡f“,đ“ü—Í,μ,Ü,·□B
- □m□ÄŠJ□nfRf}f“fh,Í□m□ÄŠJ□nflfvfVf‡f“,đ“ü—Í,μ,Ü,·□B

ftfÆ□[f€ŠJŽnŽžMClfffofCfXfhf%oCfo,đŠJ,

ffftfHf<fg,Å,Í□AMClflfuFWfFfNfg,ÍftfÆ□[f€,ÌŠJŽnŽž,É<N“@,μ□A□I—¹Žž,É'âŽ~,μ,Ü,·□B,±
,ÌflfvfVf‡f“,đ-³Æø,É,μ,Ä,¢,é□ê□‡□AŠefRf}f“fh,Ì'O,É□AfAfvfŠfP□[fVf‡f““à,Ì□mŠJ,□nfRf}
f“fh,đŽg,¢MClfffofCfX,đ□Ä“x□%Šú□Ý'è,.,é•K—v,^a,,è,Ü,·□B,±,Ì□ê□‡□A□^—□,Í'x,-
,È,è,Ü,.,^a□A•¡□“,ÌfffofCfX,đ^ê“x,É'€□ì,μ,½,¢Žž,ÉŽg—p,Å,«,Ü,·□B

ftfÆ□[f€□I—¹ŽžMClfffofCfXfhf%oCfo,đ•Â,ŋ,é

,±,Ìf`fFfbfNf{fbfNfX,^a—LÆø,Ì□ê□‡□AfAfvfŠfP□[fVf‡f“,^aftfÆ□[f€
,Ì□ÅÆã,É'B,μ,½ŽžfffofCfXfhf%oCfo,đ•Â,ŋ,Ü,·□B

□Ý'è,^a□I,Í,é,Æ□m,n,j□n,đfNfŠfbfN,μ,Ü,·□B“@□ì—Ì^æ,đfNfŠfbfN,μ,ÄMClflfuFWfFfNfg,đ“K“—
,È^Ê'u,Éfhf□fbfv,μ,Ü,·□BMClflfuFWfFfNfg,ÍfAfvfŠfP□[fVf‡f“ŽÀ□s'+•Ž!,³ê,È,¢,Ì,Å□A“@□ì—
Ì^æ,Ì,Ç,±,É'u,¢,Ä,à□\,¢,Ü,¹ñ□B

□mfLffff“fZf<□n,đfNfŠfbfN,.,é,Æ□Ý'è,Ì•ï□X,đŽæ,è□Á,μ,Ü,·□B

fAfCfRf“•Ò□W

ŠeŽífGffBf^,È,Ç,É•\Ž!,³ê,éMClfIfufWfFfNfg,ìfAfCfRf“,ì—¼‘O,ÆŠOŠĭ,đ•ĭ□X,μ,Ü,·□B—
¼‘O,í□AfIfufWfFfNfg,ìŽí—p,Æ”Ô□†,Å□¶□¬,³ê,Ü,·□BfAfCfRf“,ìfCf□□[fW,í□A%æ—
Ê,É•\Ž!,³ê,éIfufWfFfNfgfCf□□[fW,ì□k□¬”Å,Å,·□B

□Å□%,É□ì□¬,³ê,½•ÇŽ†fIfufWfFfNfg,ì—¼‘O,í□gMCl,P□hŽŸ,É□ì□¬,³ê,½,à,ì,í□gMCl,Q□h,Æ,¢,¤
,Ó,¤,É—¼‘O,^at,¬,ç,ê,Ü,·□B,±,ì—¼‘O,í□AŽ©—R,É•ĭ□X,Å,«,Ü,·□B

□@—ñ

f l f u f W f F f N f g,đ“@□ì—ìæ“à,Å□¶%E,Ü,½,í□ã%°,É□@—ñ,^{3,1},Ü,·□B

□m□¶%E□n*f l f v f V f ‡ f*“,í□A*f l f u f W f F f N f g*,đ“@□ì—
ìæ,ì□¶'[□A%°E'[□A,Ü,½,í□¶%E,ì†%>'n“_É˘Ú“@,μ,Ü,·□B*f l f u f W f F f N f g*,ì□ã%°˘Ê˘u,í•ì,!,É□AÆ»□
Ý,ì□ê□Š,©,ç*f l f u f W f F f N f g*,đ□¶%E,É˘Ú“@,^{3,1},Ü,·□B

□¶%E,É□@—ñ,^{3,1},é□ê□‡,ì*f l f v f V f ‡ f*“,íÊ%°,ìÊ,è,Å,·□F

- □m□¶'μ,ì□n,í□A“@□ì—ìæ,ì□¶'[É*f l f u f W f F f N f g*,đ“z'u,μ,Ü,·□B
- □m'†%>'μ,ì□n,í□A“@□ì—ìæ,ì□¶%E†ŠÔ'n“_É*f l f u f W f F f N f g*,đ“z'u,μ,Ü,·□B
- □m%°E'μ,ì□n,í□A“@□ì—ìæ,ì%°E'[É*f l f u f W f F f N f g*,đ“z'u,μ,Ü,·□B

□m□ã%°□n*f l f v f V f ‡ f*“,í□A*f l f u f W f F f N f g*,đ“@□ì—
ìæ,ì□ã'[□A%°°[□A,Ü,½,í□ã%°,ì†%>'n“_É˘Ú“@,μ,Ü,·□B*f l f u f W f F f N f g*,ì□¶%E˘Ê˘u,í•ì,!,É□AÆ»□Ý,
ì□ê□Š,©,ç*f l f u f W f F f N f g*,đ□ã%°,É˘Ú“@,^{3,1},Ü,·□B

□ã%°,É□@—ñ,^{3,1},é□ê□‡,ì*f l f v f V f ‡ f*“,íÊ%°,ìÊ,è,Å,·□F

- □m□ã'μ,ì□n,í□A“@□ì—ìæ,ì□ã'[É*f l f u f W f F f N f g*,đ“z'u,μ,Ü,·□B
- □m'†%>'μ,ì□n,í□A“@□ì—ìæ,ì□ã%°†ŠÔ'n“_É*f l f u f W f F f N f g*,đ“z'u,μ,Ü,·□B
- □m%°μ,ì□n,í□A“@□ì—ìæ,ì%°°[É*f l f u f W f F f N f g*,đ“z'u,μ,Ü,·□B

□¶%E,Ü,½,í□ã%°,ì□@—
ñ*f l f v f V f ‡ f*“,đì,Ô,Æ□A*f l f u f W f F f N f g*,íŽ©“@ì,É□A□V,μ,¢□ê□Š,É˘Ú“@,μ,Ä□@—ñ,μ,Ü,·□B

