

Integrated Serial Communication Protocol for AV Receiver

Version 1.00, 31 October 2012

Copyright© 2012 TEAC CORPORATION, All rights reserved.

Revision History:

| Version | Date | Contents |
|---------|-----------------|--------------------------------------|
| 1.00 | 31 October 2012 | first edition PA-R100/200,AG-D500 |

Note:

| Model | Date | Contents |
|-------|------|----------|
| | | |
| | | |
| | | |

Version Check:

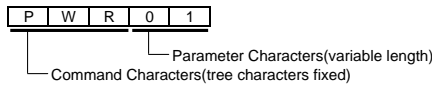
To check the version on the unit, please follow the procedure below.

1. Turn on the unit.
2. Press DISPLAY + STANDBY/ON buttons.

The version number shows the date (yyymmdd) in which the firmware was created. Here, X, Y and Z in month mean Oct, Nov and Dec respectively.

1. Protocol Overview

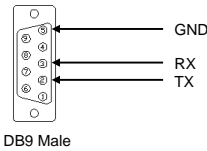
ISCP (Integrated Serial Control Protocol) consists of three command characters and parameter character(s) of variable length.



1.1. ISCP over RS-232C

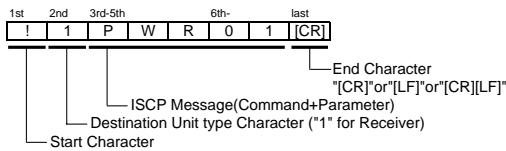
Hardware Overview

3wire RS-232C protocol
 9600 baud / 8 data bits / 1 stop bits / no parity / no flow control
 9 pin female D type connector (pin 2 is transmit, pin 3 is receive, pin 5 is signal ground)
 Use a straight-thru cable to connect to your PC.

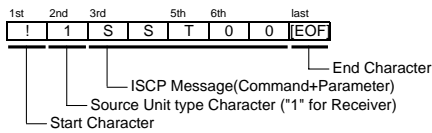


Software Overview

Controller -> Device Message Example (Power On)



Device -> Controller Message Example (Power Status = Standby)

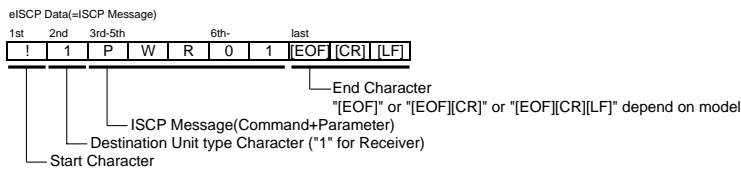
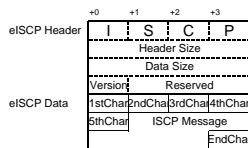


Special Characters

- [CR] Carriage Return ASCII Code 0x0D
- [LF] Line Feed ASCII Code 0x0A
- [EOF] End of File ASCII Code 0x1A

1.2. ISCP over Ethernet (eISCP)

- *Protocol is TCP(Transmission Control Protocol)
- *Destination Port Number is 60128(default)
 Please set the destination port number by the setup menu in the Receiver and turn off to stand-by once, If you need to change it from default.
- *Receiver MAC Address
 Please confirm the Receiver MAC address on the setup menu in the Receiver.
- *eISCP Packet Format



Header Size is the size of eISCP Header. In order to extend header size in the future, it is necessary to take it into calculation. Now, it is 0x00000010. (**BIGENDIAN**)
 Data Size is the size of the eISCP Data. (**BIGENDIAN**)
 Version is ISCP version. Now, it is 0x01.
 Reserved is used extending it in the future. Now, it is 0x00000000.
 Unit Type is the model category ID. The Receiver is "1".

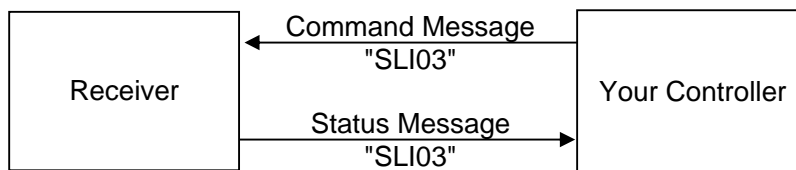
- Note: The communication between server and client should hold one connection continuously. Unless it has connected continuously, the notice of status cannot be performed from a client.
- Note: The number of the connections who can connect with a client is up to five.
- Note: The Interval Time Receiving the message needs to take more than 50msec.

2. COMMUNICATION FLOW DESCRIPTION

Receiver uses Question, Command and Notification messages to have to communicate with a given Controller. This protocol is designed for point to point communication between a third party controller and Receiver.

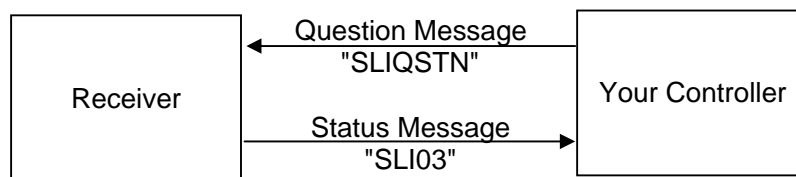
2.1. Command Communication

Send a "Command Message" to Receiver from the Controller for control of the device.
 Unsolicited feedback - If Receiver's status changes , a "Status Message" is sent to the Controller.
 Receiver will respond with a status message within 50msec. If Receiver does not respond within 50msec, the communication has failed.



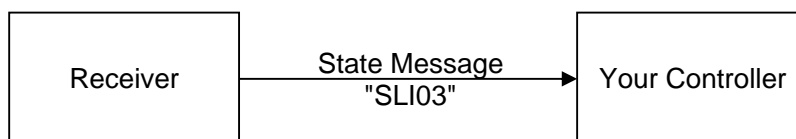
2.2. Question Communication

Send a "Question Message" to Receiver from the Controller to get the current system status.
 Receiver will respond with a status message.



2.3. Event Notice Communication

If the system status changes, the Receiver will notify the Controller by sending the new current status.

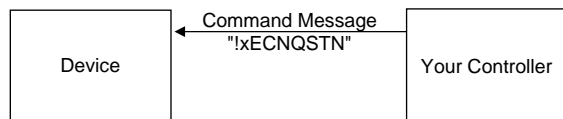


3. Auto Detect Protocol for ISCP over Ethernet (after 2011 AV Receiver model)

If it is necessary to detect the device that corresponds to ISCP automatically, it is possible to detect it according to the following procedures.

3.1. Broadcast Device Search Message

Broadcast a "Device Search Message" to LAN by UDP (Port Number is 60128)



3.2. Response Message from Device

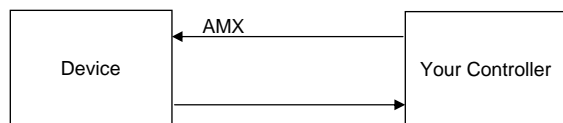
The device that corresponds to "ISCP" transmits the response message.



| | |
|--------------------------------|---|
| Response Message | ex.) Device is AV Receiver TX-NR609, North American model, and ISCP Port number is 60128 |
| !cECNnnnnnn/ppppp/dd/iiiiiii | !1ECNPA-R200/60128/DX |
| c: device category | 1: AV Receiver or Stereo Receiver |
| nnnnnn: model name of device | PA-R200 (variable length [max. 64 letters]) |
| ppppp: ISCP port number | 60128 |
| dd: destination area of device | DX: North American mode XX: European or Asian model JJ: Japanese model (fixed 2 characters) |
| iiiiiii: Identifier | 0009B0***** ex.) Mac Address (variable length [max. 12 letters]) |
| /: Separator | |

4. AMX DDDP

4.1 Serial Control (RS-232C)



AMXB<-SDKClass=Receiver><-Make=TASCAM><-Model=PA-R***><-Revision=1.0.0>\r'

```

<-SDKClass=Receiver>
<-Make=*****> : TASCAM
<-Model=*****> : Model Name
<-Revision=1.0.0>
  
```

4.2 IP Control (Ethernet)



AMXB<-SDKClass=Receiver><-Make=TASCAM><-Model=PA-R***><-Revision=1.0.0><-UUID=0009b0aabbcc><-Port=60 <-Port=*****> : Port Number for IP Control

```

<-SDKClass=Receiver>
<-Make=*****> : TASCAM
<-Model=*****> : Model Name
<-Revision=1.0.0>
<-UUID=*****> : MAC Address
  
```

Transmitting interval is 30 - 60 sec (in random time)

Main-related Command Support List

| Code | Means | PA-R100 | PA-R200 | AG-D500 | |
|---|---|---------|---------|---------|--|
| "PWR" - System Power Command | | | | | |
| "00" | sets System Standby | Yes | Yes | Yes | |
| "01" | sets System On | Yes | Yes | Yes | |
| "QSTN" | gets the System Power Status | Yes | Yes | Yes | |
| "AMT" - Audio Muting Command | | | | | |
| "00" | sets Audio Muting Off | Yes | Yes | Yes | |
| "01" | sets Audio Muting On | Yes | Yes | Yes | |
| "TG" | sets Audio Muting Wrap-Around | Yes | Yes | Yes | |
| "QSTN" | gets the Audio Muting State | Yes | Yes | Yes | |
| "SPA"/"SPB" - Speaker A/B Command | | | | | |
| "00" | sets Speaker Off | No | No | No | |
| "01" | sets Speaker On | No | No | No | |
| "UP" | sets Speaker Switch Wrap-Around | No | No | No | |
| "QSTN" | gets the Speaker State | No | No | No | |
| *1:SPA=MAIN A/SPB=MAIN B | | | | | |
| *2:SPA=Front A/SPB=Front B(Exclusive use) | | | | | |
| "SPL" - Speaker Layout Command | | | | | |
| "SB" | sets SurrBack Speaker | No | No | No | |
| "FH" | sets Front High Speaker / SurrBack+Front High Speakers | No | No | No | |
| "FW" | sets Front Wide Speaker / SurrBack+Front Wide Speakers | No | No | No | |
| "HW" | sets Front High+Front Wide Speakers | No | No | No | |
| "UP" | sets Speaker Switch Wrap-Around | No | No | No | |
| "QSTN" | gets the Speaker State | No | No | No | |
| "MVL" - Master Volume Command | | | | | |
| "00"-64" | Volume Level 0 – 100 (In hexadecimal representation) | No | Yes | No | |
| "00"-50" | Volume Level 0 – 80 (In hexadecimal representation) | Yes | No | Yes | |
| "UP" | sets Volume Level Up | Yes | Yes | Yes | |
| "DOWN" | sets Volume Level Down | Yes | Yes | Yes | |
| "UP1" | sets Volume Level Up 1dB Step | No | No | No | |
| "DOWN1" | sets Volume Level Down 1dB Step | No | No | No | |
| "QSTN" | gets the Volume Level | Yes | Yes | Yes | |
| "TFR" - Tone(Front) Command | | | | | |
| "Bxx" | Front Bass (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | Yes | Yes | Yes | |
| "Txx" | Front Treble (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | Yes | Yes | Yes | |
| "BUP" | sets Front Bass up(2 step) | Yes | Yes | Yes | |
| "BDOWN" | sets Front Bass down(2 step) | Yes | Yes | Yes | |
| "TUP" | sets Front Treble up(2 step) | Yes | Yes | Yes | |
| "TDOWN" | sets Front Treble down(2 step) | Yes | Yes | Yes | |
| "QSTN" | gets Front Tone ("BxxTxx") | Yes | Yes | Yes | |
| "TFW" - Tone(Front Wide) Command | | | | | |
| "Bxx" | Front Wide Bass (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | No | No | No | |
| "Txx" | Front Wide Treble (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | No | No | No | |
| "BUP" | sets Front Wide Bass up(2 step) | No | No | No | |
| "BDOWN" | sets Front Wide Bass down(2 step) | No | No | No | |
| "TUP" | sets Front Wide Treble up(2 step) | No | No | No | |
| "TDOWN" | sets Front Wide Treble down(2 step) | No | No | No | |
| "QSTN" | gets Front Wide Tone ("BxxTxx") | No | No | No | |
| "TFH" - Tone(Front High) Command | | | | | |
| "Bxx" | Front High Bass (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | No | No | No | |
| "Txx" | Front High Treble (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | No | No | No | |
| "BUP" | sets Front High Bass up(2 step) | No | No | No | |
| "BDOWN" | sets Front High Bass down(2 step) | No | No | No | |
| "TUP" | sets Front High Treble up(2 step) | No | No | No | |
| "TDOWN" | sets Front High Treble down(2 step) | No | No | No | |
| "QSTN" | gets Front High Tone ("BxxTxx") | No | No | No | |
| "TCT" - Tone(Center) Command | | | | | |
| "Bxx" | Center Bass (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | No | No | No | |
| "Txx" | Center Treble (xx is "-A"..."00"..."+A)[-10...0...+10 2 step] | No | No | No | |
| "BUP" | sets Center Bass up(2 step) | No | No | No | |
| "BDOWN" | sets Center Bass down(2 step) | No | No | No | |
| "TUP" | sets Center Treble up(2 step) | No | No | No | |

| | | | | | |
|--|---|-----|-----|-----|--|
| "TDOWN" | sets Center Treble down(2 step) | No | No | No | |
| "QSTN" | gets Ceter Tone ("BxxTxx") | No | No | No | |
| "TSR" - Tone(Surround) Command | | | | | |
| "Bxx" | Surround Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | No | No | |
| "Txx" | Surround Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | No | No | |
| "BUP" | sets Surround Bass up(2 step) | No | No | No | |
| "BDOWN" | sets Surround Bass down(2 step) | No | No | No | |
| "TUP" | sets Surround Treble up(2 step) | No | No | No | |
| "TDOWN" | sets Surround Treble down(2 step) | No | No | No | |
| "QSTN" | gets Surround Tone ("BxxTxx") | No | No | No | |
| "TSB" - Tone(Surround Back) Command | | | | | |
| "Bxx" | Surround Back Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | No | No | |
| "Txx" | Surround Back Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | No | No | |
| "BUP" | sets Surround Back Bass up(2 step) | No | No | No | |
| "BDOWN" | sets Surround Back Bass down(2 step) | No | No | No | |
| "TUP" | sets Surround Back Treble up(2 step) | No | No | No | |
| "TDOWN" | sets Surround Back Treble down(2 step) | No | No | No | |
| "QSTN" | gets Surround Back Tone ("BxxTxx") | No | No | No | |
| "TSW" - Tone(Subwoofer) Command | | | | | |
| "Bxx" | Subwoofer Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | No | No | |
| "BUP" | sets Subwoofer Bass up(2 step) | No | No | No | |
| "BDOWN" | sets Subwoofer Bass down(2 step) | No | No | No | |
| "QSTN" | gets Subwoofer Tone ("BxxTxx") | No | No | No | |
| "SLP" - Sleep Set Command | | | | | |
| "01"- "5A" | sets Sleep Time 1 - 90min (In hexadecimal representation) | Yes | Yes | Yes | |
| "OFF" | sets Sleep Time Off | Yes | Yes | Yes | |
| "UP" | sets Sleep Time Wrap-Around UP | Yes | Yes | Yes | |
| "QSTN" | gets The Sleep Time | Yes | Yes | Yes | |
| "SLC" - Speaker Level Calibration Command | | | | | |
| "TEST" | TEST Key | Yes | Yes | Yes | |
| "OFF" | sets TEST TONE OFF | Yes | Yes | Yes | |
| "CHSEL" | CH SEL Key | Yes | Yes | Yes | |
| "UP" | LEVEL + Key | Yes | Yes | Yes | |
| "DOWN" | LEVEL - KEY | Yes | Yes | Yes | |
| "SWL" - Subwoofer (temporary) Level Command | | | | | |
| "-F"- "00"- "+C" | sets Subwoofer Level -15dB - 0dB - +12dB | Yes | Yes | Yes | |
| "UP" | LEVEL + Key | Yes | Yes | Yes | |
| "DOWN" | LEVEL - KEY | Yes | Yes | Yes | |
| "QSTN" | gets the Subwoofer Level | Yes | Yes | Yes | |
| "CTL" - Center (temporary) Level Command | | | | | |
| "-C"- "00"- "+C" | sets Center Level -12dB - 0dB - +12dB | Yes | Yes | Yes | |
| "UP" | LEVEL + Key | Yes | Yes | Yes | |
| "DOWN" | LEVEL - KEY | Yes | Yes | Yes | |
| "QSTN" | gets the Subwoofer Level | Yes | Yes | Yes | |
| "DIF" - Display Information Command | | | | | |
| "00" | Display Program Format | No | No | No | |
| "01" | Display Digital Input Position | No | No | No | |
| "02" | Display Digital Format Position | No | No | No | |
| "03" | Display Bass Level | No | No | No | |
| "04" | Display Treble Level | No | No | No | |
| "DIF" - Display Mode Command | | | | | |
| "00" | sets Selector + Volume Display Mode | Yes | Yes | Yes | |
| "01" | sets Selector + Listening Mode Display Mode | No | No | No | |
| "02" | Display Digital Format(temporary display) | Yes | Yes | Yes | |
| "03" | Display Video Format(temporary display) | Yes | Yes | Yes | |
| "TG" | sets Display Mode Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Display Mode | Yes | Yes | Yes | |
| *1: Parameter Character is "UP" | | | | | |
| "DIM" - Dimmer Level Command | | | | | |
| "00" | sets Dimmer Level "Bright" | Yes | Yes | Yes | |
| "01" | sets Dimmer Level "Dim" | Yes | Yes | Yes | |
| "02" | sets Dimmer Level "Dark" | Yes | Yes | Yes | |
| "03" | sets Dimmer Level "Shut-Off" | No | No | No | |
| "08" | sets Dimmer Level "Bright & LED OFF" | No | No | No | |
| "DIM" | sets Dimmer Level Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Dimmer Level | Yes | Yes | Yes | |
| "OSD" - Setup Operation Command | | | | | |
| "MENU" | Menu Key | Yes | Yes | Yes | |

| | | | | | |
|--|--|-------|-------|-------|--|
| "UP" | Up Key | Yes | Yes | Yes | |
| "DOWN" | Down Key | Yes | Yes | Yes | |
| "RIGHT" | Right Key | Yes | Yes | Yes | |
| "LEFT" | Left Key | Yes | Yes | Yes | |
| "ENTER" | Enter Key | Yes | Yes | Yes | |
| "EXIT" | Exit Key | Yes | Yes | Yes | |
| "AUDIO" | Audio Adjust Key | No | No | No | |
| "VIDEO" | Video Adjust Key | No | No | No | |
| "HOME" | Home Key | Yes | Yes | Yes | |
| "QUICK" | Quick Setup Key | Yes | Yes | Yes | |
| "MEM" - Memory Setup Command | | | | | |
| "STR" | stores memory | Yes | Yes | Yes | |
| "RCL" | recalls memory | Yes | Yes | Yes | |
| "LOCK" | locks memory | Yes | Yes | Yes | |
| "UNLK" | unlocks memory | Yes | Yes | Yes | |
| "IFA" - Audio Infomation Command | | | | | |
| "nnnnn:nnnnn" | Infomation of Audio(Same Immedate Display ',' is separat | Yes | Yes | Yes | |
| "QSTN" | gets Infomation of Audio | Yes | Yes | Yes | |
| when you send "DIF02", receiver will return this response. | | | | | |
| "IFV" - Video Infomation Command | | | | | |
| "nnnnn:nnnnn" | infomation of Video(Same Immedate Display ',' is separat | Yes | Yes | Yes | |
| "QSTN" | gets Infomation of Video | Yes | Yes | Yes | |
| when you send "DIF03", receiver will return this response. | | | | | |
| "SLI" - Input Selector Command | | | | | |
| "00" | sets VIDEO1 VCR/DVR STB/DVR | No | Yes | No | |
| "01" | sets VIDEO2 CBL/SAT | Yes | Yes | Yes | |
| "02" | sets VIDEO3 GAME/TV GAME GAME1 | Yes | Yes | Yes | |
| "03" | sets VIDEO4 AUX1(AUX) | Yes | Yes | Yes | |
| "04" | sets VIDEO5 AUX2 GAME2 | No | No | No | |
| "05" | sets VIDEO6 PC | Yes | Yes | Yes | |
| "06" | sets VIDEO7 | No | No | No | |
| "07" | Hidden1 EXTRA1 | Yes | Yes | Yes | |
| "08" | Hidden2 EXTRA2 | Yes | Yes | Yes | |
| "09" | Hidden3 EXTRA3 | Yes | Yes | No | |
| "10" | sets DVD BD/DVD | Yes | Yes | Yes | |
| "20" | sets TAPE(1) TV/TAPE | No | No | No | |
| "21" | sets TAPE2 | No | No | No | |
| "22" | sets PHONO | No | No | No | |
| "23" | sets CD TV/CD | Yes | Yes | Yes | |
| "24" | sets FM | Yes | Yes | Yes | |
| "25" | sets AM | Yes | Yes | Yes | |
| "26" | sets TUNER | Yes | Yes | Yes | |
| "27" | sets MUSIC SERVER P4S DLNA*2 | Yes*2 | Yes*2 | Yes*2 | |
| "28" | sets INTERNET RADIO iRadio Favorite*3 | Yes*3 | Yes*3 | Yes*3 | |
| "29" | sets USB/USB(Front) | Yes | Yes | Yes | |
| "2A" | sets USB(Rear) | Yes | Yes | Yes | |
| "2B" | sets NETWORK NET | Yes | Yes | Yes | |
| "2C" | sets USB(toggle) | Yes | Yes | Yes | |
| "2D" | sets Aiply | No | No | No | |
| "40" | sets Universal PORT | No | No | No | |
| "30" | sets MULTI CH | No | No | No | |
| "31" | sets XM*1 | No | No | No | |
| "32" | sets SIRIUS*1 | No | No | No | |
| "33" | sets DAB *5 | No | No | No | |
| "UP" | sets Selector Position Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Selector Position Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Selector Position | Yes | Yes | Yes | |
| *1:Only available XM/SIRIUS Model | | | | | |
| *6:Only AE Model(TX-NR515AE/616AE/818AE) | | | | | |
| "SLR" - RECOU Selector Command | | | | | |
| "00" | sets VIDEO1 | No | No | No | |
| "01" | sets VIDEO2 | No | No | No | |
| "02" | sets VIDEO3 | No | No | No | |
| "03" | sets VIDEO4 | No | No | No | |
| "04" | sets VIDEO5 | No | No | No | |
| "05" | sets VIDEO6 | No | No | No | |
| "06" | sets VIDEO7 | No | No | No | |
| "10" | sets DVD | No | No | No | |
| "20" | sets TAPE(1) | No | No | No | |
| "21" | sets TAPE2 | No | No | No | |

| | | | | | |
|---|--|-----|-----|-----|--|
| "22" | sets PHONO | No | No | No | |
| "23" | sets CD | No | No | No | |
| "24" | sets FM | No | No | No | |
| "25" | sets AM | No | No | No | |
| "26" | sets TUNER | No | No | No | |
| "27" | sets MUSIC SERVER | No | No | No | |
| "28" | sets INTERNET RADIO | No | No | No | |
| "30" | sets MULTI CH | No | No | No | |
| "31" | sets XM | No | No | No | |
| "7F" | sets OFF | No | No | No | |
| "80" | sets SOURCE | No | No | No | |
| "QSTN" | gets The Selector Position | No | No | No | |
| *1:REC/ZONE3 | | | | | |
| "SLA" - Audio Selector Command | | | | | |
| "00" | sets AUTO | No | No | No | |
| "01" | sets MULTI-CHANNEL | No | No | No | |
| "02" | sets ANALOG | Yes | Yes | Yes | |
| "03" | sets iLINK | No | No | No | |
| "04" | sets HDMI | Yes | Yes | Yes | |
| "05" | sets COAX/OPT | Yes | Yes | Yes | |
| "06" | sets BALANCE | No | No | No | |
| "07" | sets ARC | Yes | Yes | Yes | |
| "UP" | sets Audio Selector Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Audio Selector Status | Yes | Yes | Yes | |
| "TGA" - 12V Trigger A Command | | | | | |
| "00" | sets 12V Trigger A Off | Yes | Yes | No | |
| "01" | sets 12V Trigger A On | Yes | Yes | No | |
| "QSTN" | gets 12V Trigger A Status | Yes | Yes | No | |
| "TGB" - 12V Trigger B Command | | | | | |
| "00" | sets 12V Trigger B Off | Yes | Yes | No | |
| "01" | sets 12V Trigger B On | Yes | Yes | No | |
| "QSTN" | gets 12V Trigger B Status | Yes | Yes | No | |
| "TGC" - 12V Trigger C Command | | | | | |
| "00" | sets 12V Trigger C Off | Yes | Yes | No | |
| "01" | sets 12V Trigger C On | Yes | Yes | No | |
| "QSTN" | gets 12V Trigger C Status | Yes | Yes | No | |
| TGA/TGB/TGC are available when each 12V Trigger parameter is all "OFF" at Setup Menu. | | | | | |
| "VOS" - Video Output Selector (Japanese Model Only) | | | | | |
| "00" | sets D4 | No | No | No | |
| "01" | sets Component | No | No | No | |
| "QSTN" | gets The Selector Position | No | No | No | |
| "HDO" - HDMI Output Selector | | | | | |
| "00" | sets No | No | No | No | |
| "01" | sets Yes/Out Main | No | Yes | Yes | |
| "02" | sets Out Sub | No | Yes | Yes | |
| "03" | sets Both | No | Yes | Yes | |
| "04" | sets Both(Main) | No | No | No | |
| "05" | sets Both(Sub) | No | No | No | |
| "UP" | sets HDMI Out Selector Wrap-Around Up | No | Yes | Yes | |
| "QSTN" | gets The HDMI Out Selector | No | Yes | Yes | |
| *1 except American Model | | | | | |
| "HAO" -HDMI Audio Out | | | | | |
| "00" | sets Off | Yes | Yes | Yes | |
| "01" | sets On | Yes | Yes | Yes | |
| "02" | sets Auto | Yes | Yes | Yes | |
| "UP" | sets HDMI Audio Out Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets HDMI Audio Out | Yes | Yes | Yes | |
| "RES" - Monitor Out Resolution | | | | | |
| "00" | sets Through | Yes | Yes | Yes | |
| "01" | sets Auto(HDMI Output Only) | Yes | Yes | Yes | |
| "02" | sets 480p | Yes | Yes | Yes | |
| "03" | sets 720p | Yes | Yes | Yes | |
| "04" | sets 1080i | Yes | Yes | Yes | |
| "05" | sets 1080p(HDMI Output Only) | Yes | Yes | Yes | |
| "07" | sets 1080p/24fs(HDMI Output Only) | Yes | Yes | Yes | |
| "08" | sets 4K Upcaling(HDMI Output Only) | Yes | Yes | Yes | |
| "06" | sets Source | No | No | No | |
| "UP" | sets Monitor Out Resolution Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Monitor Out Resolution | Yes | Yes | Yes | |

| "ISF" - ISF Mode | | | | | |
|---------------------------------------|---|-----|-----|-------|--|
| "00" | sets ISF Mode Custom | No | No | No | |
| "01" | sets ISF Mode Day | No | No | No | |
| "02" | sets ISF Mode Night | No | No | No | |
| "UP" | sets ISF Mode State Wrap-Around Up | No | No | No | |
| "QSTN" | gets The ISF Mode State | No | No | No | |
| "VWM" - Video Wide Mode | | | | | |
| "00" | sets Auto | Yes | Yes | Yes | |
| "01" | sets 4:3 | Yes | Yes | Yes | |
| "02" | sets Full | Yes | Yes | Yes | |
| "03" | sets Zoom | Yes | Yes | Yes | |
| "04" | sets Wide Zoom | Yes | Yes | Yes | |
| "05" | sets Smart Zoom | No | No | No | |
| "UP" | sets Video Zoom Mode Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets Video Zoom Mode | Yes | Yes | Yes | |
| "VPM" -Video Picture Mode | | | | | |
| "00" | sets Through | Yes | Yes | Yes | |
| "01" | sets Custom | Yes | Yes | Yes | |
| "02" | sets Cinema | Yes | Yes | Yes | |
| "03" | sets Game | Yes | Yes | Yes | |
| "04" | sets THX Cinema | No | No | No | |
| "05" | sets ISF Day | No | No | No | |
| "06" | sets ISF Night | No | No | No | |
| "07" | sets Streaming | No | No | No | |
| "08" | sets Direct | Yes | Yes | Yes | |
| "UP" | sets Video Zoom Mode Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets Video Zoom Mode | Yes | Yes | Yes | |
| "LMD" - Listening Mode Command | | | | | |
| "00" | sets STEREO | Yes | Yes | Yes | |
| "01" | sets DIRECT | Yes | Yes | Yes | |
| "02" | sets SURROUND | Yes | Yes | Yes | |
| "03" | sets FILM Game-RPG | Yes | Yes | Yes | |
| "04" | sets THX | No | Yes | No | |
| "05" | sets ACTION Game-Action | Yes | Yes | Yes | |
| "06" | sets MUSICAL Game-Rock | Yes | Yes | Yes | |
| "07" | sets MONO MOVIE | No | No | No | |
| "08" | sets ORCHESTRA | Yes | Yes | Yes | |
| "09" | sets UNPLUGGED | Yes | Yes | Yes | |
| "0A" | sets STUDIO-MIX | Yes | Yes | Yes | |
| "0B" | sets TV LOGIC | Yes | Yes | Yes | |
| "0C" | sets ALL CH STEREO | Yes | Yes | Yes | |
| "0D" | sets THEATER-DIMENSIONAL | Yes | Yes | Yes | |
| "0E" | sets ENHANCED 7/ENHANCE Game-Sports | Yes | Yes | Yes | |
| "0F" | sets MONO | Yes | Yes | Yes | |
| "11" | sets PURE AUDIO | No | No | Yes*3 | |
| "12" | sets MULTIPLEX | No | No | No | |
| "13" | sets FULL MONO | Yes | Yes | Yes | |
| "14" | sets DOLBY VIRTUAL | No | No | No | |
| "15" | sets DTS Surround Sensation | No | No | No | |
| "16" | sets Audyssey DSX | No | Yes | No | |
| "1F" | sets Whole House Mode | No | Yes | No | |
| "23" | sets Stage (when Genre Control is Enable in Japan Model) | No | Yes | Yes | |
| "25" | sets Action (when Genre Control is Enable in Japan Model) | No | Yes | Yes | |
| "26" | sets Music (when Genre Control is Enable in Japan Model) | No | Yes | Yes | |
| "2E" | sets Sports (when Genre Control is Enable in Japan Model) | No | Yes | Yes | |
| "40" | sets 5.1ch Surround | No | No | No | |
| "40" | sets Straight Decode*1 | Yes | Yes | Yes | |
| "41" | sets Dolby EX/DTS ES | No | No | No | |
| "41" | sets Dolby EX*2 | Yes | Yes | Yes | |
| "42" | sets THX Cinema | No | Yes | No | |
| "43" | sets THX Surround EX | No | Yes | No | |
| "44" | sets THX Music | No | Yes | No | |
| "45" | sets THX Games | No | Yes | No | |
| "50" | sets THX U2/S2/I/S Cinema/Cinema2 | No | Yes | No | |
| "51" | sets THX MusicMode,THX U2/S2/I/S Music | No | Yes | No | |
| "52" | sets THX Games Mode,THX U2/S2/I/S Games | No | Yes | No | |
| "80" | sets PLII/PLIIX Movie | Yes | Yes | Yes | |
| "81" | sets PLII/PLIIX Music | Yes | Yes | Yes | |
| "82" | sets Neo:6 Cinema/Neo:X Cinema | Yes | Yes | Yes | |
| "83" | sets Neo:6 Music/Neo:X Music | Yes | Yes | Yes | |

| | | | | | |
|---|--|-----|-----|-----|--|
| "84" | sets PLII/PLIIX THX Cinema | No | Yes | No | |
| "85" | sets Neo:6/Neo:X THX Cinema | No | Yes | No | |
| "86" | sets PLII/PLIIX Game | Yes | Yes | Yes | |
| "87" | sets Neural Surr*3 | No | No | No | |
| "88" | sets Neural THX/Neural Surround | No | No | No | |
| "89" | sets PLII/PLIIX THX Games | No | Yes | No | |
| "8A" | sets Neo:6/Neo:X THX Games | No | Yes | No | |
| "8B" | sets PLII/PLIIX THX Music | No | Yes | No | |
| "8C" | sets Neo:6/Neo:X THX Music | No | Yes | No | |
| "8D" | sets Neural THX Cinema | No | No | No | |
| "8E" | sets Neural THX Music | No | No | No | |
| "8F" | sets Neural THX Games | No | No | No | |
| "90" | sets PLIIZ Height | Yes | Yes | Yes | |
| "91" | sets Neo:6 Cinema DTS Surround Sensation | No | No | No | |
| "92" | sets Neo:6 Music DTS Surround Sensation | No | No | No | |
| "93" | sets Neural Digital Music | No | No | No | |
| "94" | sets PLIIZ Height + THX Cinema | No | Yes | No | |
| "95" | sets PLIIZ Height + THX Music | No | Yes | No | |
| "96" | sets PLIIZ Height + THX Games | No | Yes | No | |
| "97" | sets PLIIZ Height + THX U2/S2 Cinema | No | No | No | |
| "98" | sets PLIIZ Height + THX U2/S2 Music | No | No | No | |
| "99" | sets PLIIZ Height + THX U2/S2 Games | No | No | No | |
| "9A" | sets Neo:X Game | No | No | No | |
| "A0" | sets PLIIX/PLII Movie + Audyssey DSX | No | Yes | No | |
| "A1" | sets PLIIX/PLII Music + Audyssey DSX | No | Yes | No | |
| "A2" | sets PLIIX/PLII Game + Audyssey DSX | No | Yes | No | |
| "A3" | sets Neo:6 Cinema + Audyssey DSX | No | No | No | |
| "A4" | sets Neo:6 Music + Audyssey DSX | No | No | No | |
| "A5" | sets Neural Surround + Audyssey DSX | No | No | No | |
| "A6" | sets Neural Digital Music + Audyssey DSX | No | No | No | |
| "A7" | sets Dolby EX + Audyssey DSX | No | No | No | |
| "UP" | sets Listening Mode Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Listening Mode Wrap-Around Down | Yes | Yes | Yes | |
| "MOVIE" | sets Listening Mode Wrap-Around Up | Yes | Yes | Yes | |
| "MUSIC" | sets Listening Mode Wrap-Around Up | Yes | Yes | Yes | |
| "GAME" | sets Listening Mode Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Listening Mode | Yes | Yes | Yes | |
| *1 Newer than TX-SR805:Dolby Digital/DTS/AAC/DTS-ES/DTS 96/24/Dolby I | | | | | |
| *2 Newer than TX-SR805:if you want to change Listening Mode to DTS-ES,p | | | | | |
| *3 Only Available North American Model | | | | | |
| "LTN" - Late Night Command | | | | | |
| "00" | sets Late Night Off | Yes | Yes | Yes | |
| "01" | sets Late Night Low@DolbyDigital,On@Dolby TrueHD | Yes | Yes | Yes | |
| "02" | sets Late Night High@DolbyDigital,(On@Dolby TrueHD) | Yes | Yes | Yes | |
| "03" | sets Late Night Auto@Dolby TrueHD | Yes | Yes | Yes | |
| "UP" | sets Late Night State Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Late Night Level | Yes | Yes | Yes | |
| "RAS" - Re-EQ/Academy Filter Command | | | | | |
| "00" | sets Both Off | No | No | No | |
| "01" | sets Re-EQ On | No | No | No | |
| "02" | sets Academy On | No | No | No | |
| "UP" | sets Re-EQ/Academy State Wrap-Around Up | No | No | No | |
| "QSTN" | gets The Re-EQ/Academy State | No | No | No | |
| "RAS" - Re-EQ Command | | | | | |
| "00" | sets Re-EQ Off | No | Yes | No | |
| "01" | sets Re-EQ On | No | Yes | No | |
| "UP" | sets Re-EQ State Wrap-Around Up | No | Yes | No | |
| "QSTN" | gets The Re-EQ State | No | Yes | No | |
| "RAS" - Cinema Filter Command | | | | | |
| "00" | sets Cinema Filter Off | Yes | No | Yes | |
| "01" | sets Cinema Filter On | Yes | No | Yes | |
| "UP" | sets Cinema Filter State Wrap-Around Up | Yes | No | Yes | |
| "QSTN" | gets The Cinema Filter State | Yes | No | Yes | |
| "ADY" - Audyssey 2EQ/MultEQ/MultEQ XT | | | | | |
| "00" | sets Audyssey 2EQ/MultEQ/MultEQ XT Off | Yes | Yes | Yes | |
| "01" | sets Audyssey 2EQ/MultEQ/MultEQ XT On/Movie | Yes | Yes | Yes | |
| "02" | sets Audyssey 2EQ/MultEQ/MultEQ XT Music | Yes | Yes | Yes | |
| "UP" | sets Audyssey 2EQ/MultEQ/MultEQ XT State Wrap-Around | Yes | Yes | Yes | |
| "QSTN" | gets The Audyssey 2EQ/MultEQ/MultEQ XT State | Yes | Yes | Yes | |

| "ADQ" - Audyssey Dynamic EQ | | | | | |
|---|--|-----|-----|-----|--|
| "00" | sets Audyssey Dynamic EQ Off | Yes | Yes | Yes | |
| "01" | sets Audyssey Dynamic EQ On | Yes | Yes | Yes | |
| "UP" | sets Audyssey Dynamic EQ State Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Audyssey Dynamic EQ State | Yes | Yes | Yes | |
| "ADV" - Audyssey Dynamic Volume | | | | | |
| "00" | sets Audyssey Dynamic Volume Off | Yes | Yes | Yes | |
| "01" | sets Audyssey Dynamic Volume Light | Yes | Yes | Yes | |
| "02" | sets Audyssey Dynamic Volume Medium | Yes | Yes | Yes | |
| "03" | sets Audyssey Dynamic Volume Heavy | Yes | Yes | Yes | |
| "UP" | sets Audyssey Dynamic Volume State Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Audyssey Dynamic Volume State | Yes | Yes | Yes | |
| "DVL" - Dolby Volume | | | | | |
| "00" | sets Dolby Volume Off | No | No | No | |
| "01" | sets Dolby Volume Low/On | No | No | No | |
| "02" | sets Dolby Volume Mid | No | No | No | |
| "03" | sets Dolby Volume High | No | No | No | |
| "UP" | sets Dolby Volume State Wrap-Around Up | No | No | No | |
| "QSTN" | gets The Dolby Volume State | No | No | No | |
| "MOT" - Music Optimizer | | | | | |
| "00" | sets Music Optimizer Off | Yes | Yes | Yes | |
| "01" | sets Music Optimizer On | Yes | Yes | Yes | |
| "UP" | sets Music Optimizer State Wrap-Around Up | Yes | Yes | Yes | |
| "QSTN" | gets The Dolby Volume State | Yes | Yes | Yes | |
| "AVS" - A/V Sync | | | | | |
| "snnn" | sets A/V Sync s: sign ("+" or "-" or "0") If set minus value, s="-". (only HDMI Lipsync is available) If set plus value, s="+" If set zero value, s="0" nnn : value: If set 100msec. nnn="100" | Yes | Yes | Yes | |
| "UP" | sets A/V Sync is increased (step is depend on model) | Yes | Yes | Yes | |
| "DOWN" | sets A/V Sync is decreased (step is depend on model) | Yes | Yes | Yes | |
| "QSTN" | gets A/V Sync Value | Yes | Yes | Yes | |
| "ECO" - for Smart Grid Command | | | | | |
| "01" | sets Volume 1dB down and Dimmer Level "Dark" | Yes | Yes | Yes | |
| "03" | sets Volume 3dB down and Dimmer Level "Dark" | Yes | Yes | Yes | |
| "06" | sets Volume 6dB down and Dimmer Level "Dark" | Yes | Yes | Yes | |
| "TUN" - Tuning Command (Include Tuner Pack Model Only) | | | | | |
| "nnnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz / SR nnnnn ch) put 0 in the first two digits of nnnnn at SR | Yes | Yes | Yes | |
| "DIRECT" | starts/restarts Direct Tuning Mode | Yes | Yes | Yes | |
| "0" | sets 0 in Direct Tuning Mode | Yes | Yes | Yes | |
| "1" | sets 1 in Direct Tuning Mode | Yes | Yes | Yes | |
| "2" | sets 2 in Direct Tuning Mode | Yes | Yes | Yes | |
| "3" | sets 3 in Direct Tuning Mode | Yes | Yes | Yes | |
| "4" | sets 4 in Direct Tuning Mode | Yes | Yes | Yes | |
| "5" | sets 5 in Direct Tuning Mode | Yes | Yes | Yes | |
| "6" | sets 6 in Direct Tuning Mode | Yes | Yes | Yes | |
| "7" | sets 7 in Direct Tuning Mode | Yes | Yes | Yes | |
| "8" | sets 8 in Direct Tuning Mode | Yes | Yes | Yes | |
| "9" | sets 9 in Direct Tuning Mode | Yes | Yes | Yes | |
| "UP" | sets Tuning Frequency Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Tuning Frequency | Yes | Yes | Yes | |
| Ex: FM 100.5 MHz(100/200kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5] | | | | | |
| Ex: FM 100.55 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5][!1TUN0] | | | | | |
| Ex: FM 90.0 MHz(100kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0] | | | | | |
| Ex: FM 90.00 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0][!1TUN0] | | | | | |
| Ex: AM 1230 kHz(10kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN2][!1TUN3] | | | | | |
| Ex: AM 1341 kHz(9kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN3][!1TUN4][!1TUN1] | | | | | |
| "PRS" - Preset Command (Include Tuner Pack Model Only) | | | | | |
| "01"-28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| "01"-1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | No | No | |
| "UP" | sets Preset No. Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Preset No. Wrap-Around Down | Yes | Yes | Yes | |

| | | | | | |
|--|---|-----|-----|-----|--|
| "QSTN" | gets The Preset No. | Yes | Yes | Yes | |
| "PRM" - Preset Memory Command (Include Tuner Pack Model Only) | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| "01"- "1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | No | No | |
| "RDS" - RDS Information Command (RDS Model Only) | | | | | |
| "00" | Display RT Information*1 | Yes | Yes | Yes | |
| "01" | Display PTY Information | Yes | Yes | Yes | |
| "02" | Display TP Information | Yes | Yes | Yes | |
| "UP" | Display RDS Information Wrap-Around Change | Yes | Yes | Yes | |
| "PTS" - PTY Scan Command (RDS Model Only) | | | | | |
| "00"- "1E" | sets PTY No "0 - 30" (In hexadecimal representation) | Yes | Yes | Yes | |
| "ENTER" | Finish PTY Scan | Yes | Yes | Yes | |
| "TPS" - TP Scan Command (RDS Model Only) | | | | | |
| "" | Start TP Scan (When Don't Have Parameter) | Yes | Yes | Yes | |
| "ENTER" | Finish TP Scan | Yes | Yes | Yes | |
| "XCN" - XM Channel Name Info (XM Model Only) | | | | | |
| "nnnnnnnnnn" | XM Channel Name | No | No | No | |
| "QSTN" | gets XM Channel Name | No | No | No | |
| "XAT" - XM Artist Name Info (XM Model Only) | | | | | |
| "nnnnnnnnnn" | XM Artist Name | No | No | No | |
| "QSTN" | gets XM Artist Name | No | No | No | |
| "XTI" - XM Title Info (XM Model Only) | | | | | |
| "nnnnnnnnnn" | XM Title | No | No | No | |
| "QSTN" | gets XM Title | No | No | No | |
| "XCH" - XM Channel Number Command (XM Model Only) | | | | | |
| "000"- "255" | XM Channel Number "000 - 255" | No | No | No | |
| "UP" | sets XM Channel Wrap-Around Up | No | No | No | |
| "DOWN" | sets XM Channel Wrap-Around Down | No | No | No | |
| "QSTN" | gets XM Channel Number | No | No | No | |
| "XCT" - XM Category Command (XM Model Only) | | | | | |
| "nnnnnnnnnn" | XM Category Info | No | No | No | |
| "UP" | sets XM Category Wrap-Around Up | No | No | No | |
| "DOWN" | sets XM Category Wrap-Around Down | No | No | No | |
| "QSTN" | gets XM Category | No | No | No | |
| "SCN" - SIRIUS Channel Name Info (SIRIUS Model Only) | | | | | |
| "nnnnnnnnnn" | SIRIUS Channel Name | No | No | No | |
| "QSTN" | gets SIRIUS Channel Name | No | No | No | |
| "SAT" - SIRIUS Artist Name Info (SIRIUS Model Only) | | | | | |
| "nnnnnnnnnn" | SIRIUS Artist Name | No | No | No | |
| "QSTN" | gets SIRIUS Artist Name | No | No | No | |
| "STI" - SIRIUS Title Info (SIRIUS Model Only) | | | | | |
| "nnnnnnnnnn" | SIRIUS Title | No | No | No | |
| "QSTN" | gets SIRIUS Title | No | No | No | |
| "SCH" - SIRIUS Channel Number Command (SIRIUS Model Only) | | | | | |
| "000"- "255" | SIRIUS Channel Number "000 - 255" | No | No | No | |
| "UP" | sets SIRIUS Channel Wrap-Around Up | No | No | No | |
| "DOWN" | sets SIRIUS Channel Wrap-Around Down | No | No | No | |
| "QSTN" | gets SIRIUS Channel Number | No | No | No | |
| "SCT" - SIRIUS Category Command (SIRIUS Model Only) | | | | | |
| "nnnnnnnnnn" | SIRIUS Category Info | No | No | No | |
| "UP" | sets SIRIUS Category Wrap-Around Up | No | No | No | |
| "DOWN" | sets SIRIUS Category Wrap-Around Down | No | No | No | |
| "QSTN" | gets SIRIUS Category | No | No | No | |
| "SLK" - SIRIUS Parental Lock Command (SIRIUS Model Only) | | | | | |
| "nnnn" | Lock Password (4Digits) | No | No | No | |
| "INPUT" | displays "Please input the Lock password" | No | No | No | |
| "WRONG" | displays "The Lock password is wrong" | No | No | No | |
| "HAT" - HD Radio Artist Name Info (HD Radio Model Only) | | | | | |
| "nnnnnnnnnn" | HD Radio Artist Name (variable-length, 64 digits max) | No | No | No | |
| "QSTN" | gets HD Radio Artist Name | No | No | No | |
| "HCN" - HD Radio Channel Name Info (HD Radio Model Only) | | | | | |
| "nnnnnnnnnn" | HD Radio Channel Name (Station Name) (7 digits) | No | No | No | |
| "QSTN" | gets HD Radio Channel Name | No | No | No | |
| "HTI" - HD Radio Title Info (HD Radio Model Only) | | | | | |
| "nnnnnnnnnn" | HD Radio Title (variable-length, 64 digits max) | No | No | No | |
| "QSTN" | gets HD Radio Title | No | No | No | |
| "HDS" - HD Radio Detail Info (HD Radio Model Only) | | | | | |
| "nnnnnnnnnn" | HD Radio Title | No | No | No | |

| | | | | | |
|--|---|----|----|----|--|
| "QSTN" | gets HD Radio Title | No | No | No | |
| "HPR" - HD Radio Channel Program Command (HD Radio Model Only) | | | | | |
| "01"- "08" | sets directly HD Radio Channel Program | No | No | No | |
| "QSTN" | gets HD Radio Channel Program | No | No | No | |
| "HBL" - HD Radio Blend Mode Command (HD Radio Model Only) | | | | | |
| "00" | sets HD Radio Blend Mode "Auto" | No | No | No | |
| "01" | sets HD Radio Blend Mode "Analog" | No | No | No | |
| "QSTN" | gets the HD Radio Blend Mode Status | No | No | No | |
| "HTS" - HD Radio Tuner Status (HD Radio Model Only) | | | | | |
| "mmnnoo" | HD Radio Tuner Status (3 bytes) mm -> "00" not HD, "01" HD nn -> current Program "01"- "08" oo -> receivable Program (8 bits are represented in hexadecimal notation. Each bit shows receivable or not.) | No | No | No | |
| "QSTN" | gets the HD Radio Tuner Status | No | No | No | |
| The TUNER/XM/SIRIUS/HD Radio function is shared by the MAIN and *1:RDS information Command in RBDS Model, is only available Display RT ir | | | | | |

Zone2-related Command Support List

| Code | Means | PA-R100 | PA-R200 | AG-D500 | |
|--|---|---------|---------|---------|--|
| "ZPW" - Zone2 Power Command | | | | | |
| "00" | sets Zone2 Standby | Yes | Yes | Yes | |
| "01" | sets Zone2 On | Yes | Yes | Yes | |
| "QSTN" | gets the Zone2 Power Status | Yes | Yes | Yes | |
| "ZMT" - Zone2 Muting Command | | | | | |
| "00" | sets Zone2 Muting Off | Yes | Yes | Yes | |
| "01" | sets Zone2 Muting On | Yes | Yes | Yes | |
| "TG" | sets Zone2 Muting Wrap-Around | Yes | Yes | Yes | |
| "QSTN" | gets the Zone2 Muting Status | Yes | Yes | Yes | |
| "ZVL" - Zone2 Volume Command | | | | | |
| "00"- "64" | Volume Level 0 – 100 (In hexadecimal representation) | No | Yes | No | |
| "00"- "50" | Volume Level 0 – 80 (In hexadecimal representation) | Yes | No | Yes | |
| "UP" | sets Volume Level Up | Yes | Yes | Yes | |
| "DOWN" | sets Volume Level Down | Yes | Yes | Yes | |
| "QSTN" | gets the Volume Level | Yes | Yes | Yes | |
| *1: only works when main is ON' | | | | | |
| "ZTN" - Zone2 Tone Command | | | | | |
| "Bxx" | sets Zone2 Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | Yes | Yes | No | |
| "Txx" | sets Zone2 Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | Yes | Yes | No | |
| "BUP" | sets Bass Up (2 Step) | Yes | Yes | No | |
| "BDOWN" | sets Bass Down (2 Step) | Yes | Yes | No | |
| "TUP" | sets Treble Up (2 Step) | Yes | Yes | No | |
| "TDOWN" | sets Treble Down (2 Step) | Yes | Yes | No | |
| "QSTN" | gets Zone2 Tone ("BxxTxx") | Yes | Yes | No | |
| *1: only works when main is ON and Zone2 is powered or variable. | | | | | |
| "ZBL" - Zone2 Balance Command | | | | | |
| "xx" | sets Zone2 Balance (xx is "-A"... "00"... "+A"[L+10...0...R+10 2 step]) | Yes | Yes | No | |
| "UP" | sets Balance Up (to R 2 Step) | Yes | Yes | No | |
| "DOWN" | sets Balance Down (to L 2 Step) | Yes | Yes | No | |
| "QSTN" | gets Zone2 Balance | Yes | Yes | No | |
| *1: only works when main is ON and Zone2 is powered or variable. | | | | | |
| "SLZ" - ZONE2 Selector Command | | | | | |
| "00" | sets VIDEO1 VCR/DVR STB/DVR | No | Yes | No | |
| "01" | sets VIDEO2 CBL/SAT | Yes | Yes | Yes | |
| "02" | sets VIDEO3 GAME/TV GAME GAME1 | Yes | Yes | Yes | |
| "03" | sets VIDEO4 AUX1(AUX) | No | No | No | |
| "04" | sets VIDEO5 AUX2 GAME2 | No | No | No | |
| "05" | sets VIDEO6 PC | Yes | Yes | Yes | |
| "06" | sets VIDEO7 | No | No | No | |
| "07" | sets Hidden1 EXTRA1 | Yes | Yes | No | |
| "08" | sets Hidden2 EXTRA2 | Yes | Yes | No | |
| "09" | sets Hidden3 EXTRA3 | Yes | Yes | No | |
| "10" | sets DVD BD/DVD | Yes | Yes | Yes | |
| "20" | sets TAPE(1) | No | No | No | |
| "21" | sets TAPE2 | No | No | No | |
| "22" | sets PHONO | No | No | No | |
| "23" | sets CD TV/CD | Yes | Yes | Yes | |
| "24" | sets FM | Yes | Yes | Yes | |
| "25" | sets AM | Yes | Yes | Yes | |
| "26" | sets TUNER | Yes | Yes | Yes | |
| "27" | sets MUSIC SERVER P4S DLNA*4 | Yes*4 | Yes*4 | Yes*4 | |
| "28" | sets INTERNET RADIO iRadio Favorite*5 | Yes*5 | Yes*5 | Yes*5 | |
| "29" | sets USB/USB(Front) | Yes | Yes | Yes | |
| "2A" | sets USB(Rear) | Yes | Yes | Yes | |
| "2B" | sets NETWORK NET | Yes | Yes | Yes | |
| "2C" | sets USB(toggle) | Yes | Yes | Yes | |
| "2D" | sets Airplay | No | No | No | |
| "40" | sets Universal PORT | No | No | No | |
| "30" | sets MULTI CH | No | No | No | |
| "31" | sets XM*3 | No | No | No | |
| "32" | sets SIRIUS*3 | No | No | No | |

| | | | | | |
|---|--|-----|-----|-----|--|
| "33" | sets DAB *5 | No | No | No | |
| "7F" | sets OFF | No | No | No | |
| "80" | sets SOURCE | Yes | Yes | Yes | |
| "UP" | sets Selector Position Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Selector Position Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Selector Position | Yes | Yes | Yes | |
| *1: only works when main is ON! | | | | | |
| *2: Command Character is "ZSL" | | | | | |
| *3: Only available XM/SIRUS Model | | | | | |
| *6: Only AE Model (TX-NR515AE/616AE/818AE) | | | | | |
| "TUN" - Tuning Command | | | | | |
| "nnnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz / | No | No | No | |
| "UP" | sets Tuning Frequency Wrap-Around Up | No | No | No | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | No | No | No | |
| "QSTN" | gets The Tuning Frequency | No | No | No | |
| The TUNER function is shared by the MAIN and ZONE side. | | | | | |
| "TUZ" - Tuning Command | | | | | |
| "nnnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz / | Yes | Yes | Yes | |
| "DIRECT" | starts/restarts Direct Tuning Mode | Yes | Yes | Yes | |
| "0" | sets 0 in Direct Tuning Mode | Yes | Yes | Yes | |
| "1" | sets 1 in Direct Tuning Mode | Yes | Yes | Yes | |
| "2" | sets 2 in Direct Tuning Mode | Yes | Yes | Yes | |
| "3" | sets 3 in Direct Tuning Mode | Yes | Yes | Yes | |
| "4" | sets 4 in Direct Tuning Mode | Yes | Yes | Yes | |
| "5" | sets 5 in Direct Tuning Mode | Yes | Yes | Yes | |
| "6" | sets 6 in Direct Tuning Mode | Yes | Yes | Yes | |
| "7" | sets 7 in Direct Tuning Mode | Yes | Yes | Yes | |
| "8" | sets 8 in Direct Tuning Mode | Yes | Yes | Yes | |
| "9" | sets 9 in Direct Tuning Mode | Yes | Yes | Yes | |
| "UP" | sets Tuning Frequency Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Tuning Frequency | Yes | Yes | Yes | |
| The TUNER function is shared by the MAIN and ZONE side. But control is separated. | | | | | |
| Ex: FM 100.5 MHz(100/200kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5] | | | | | |
| Ex: FM 100.55 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5][!1TUN5] | | | | | |
| Ex: FM 90.0 MHz(100kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0] | | | | | |
| Ex: FM 90.00 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0][!1TUN0] | | | | | |
| Ex: AM 1230 kHz(10kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN2][!1TUN3] | | | | | |
| Ex: AM 1341 kHz(9kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN3][!1TUN4][!1TUN1] | | | | | |
| "PRS" - Preset Command | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | No | No | No | |
| "01"- "1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | No | No | |
| "UP" | sets Preset No. Wrap-Around Up | No | No | No | |
| "DOWN" | sets Preset No. Wrap-Around Down | No | No | No | |
| "QSTN" | gets The Preset No. | No | No | No | |
| The TUNER function is shared by the MAIN and ZONE side. | | | | | |
| "PRZ" - Preset Command | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| "01"- "1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | No | No | |
| "UP" | sets Preset No. Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Preset No. Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Preset No. | Yes | Yes | Yes | |
| The TUNER function is shared by the MAIN and ZONE side. But control is separated. | | | | | |
| "NTC" - Net-Tune/Network Operation Command(Net-Tune Model Only) | | | | | |
| "PLAYz" | PLAY KEY | No | No | No | |
| "STOPz" | STOP KEY | No | No | No | |
| "PAUSEz" | PAUSE KEY | No | No | No | |
| "TRUPz" | TRACK UP KEY | No | No | No | |
| "TRDNz" | TRACK DOWN KEY | No | No | No | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side. But control is separated. | | | | | |
| "NTZ" - Net-Tune/Network Operation Command(Network Model Only) | | | | | |
| "PLAY" | PLAY KEY | Yes | Yes | Yes | |
| "STOP" | STOP KEY | Yes | Yes | Yes | |
| "PAUSE" | PAUSE KEY | Yes | Yes | Yes | |
| "TRUP" | TRACK UP KEY | Yes | Yes | Yes | |
| "TRDN" | TRACK DOWN KEY | Yes | Yes | Yes | |
| "CHUP" | CH UP(for iRadio) | Yes | Yes | Yes | |
| "CHDN" | CH DOWN(for iRadio) | Yes | Yes | Yes | |
| "FF" | FF KEY (CONTINUOUS*) (for iPod 1wire) | Yes | Yes | Yes | |
| "REW" | REW KEY (CONTINUOUS*) (for iPod 1wire) | Yes | Yes | Yes | |

| | | | | | |
|---|---|-----|-----|-----|--|
| "REPEAT" | REPEAT KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "RANDOM" | RANDOM KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "DISPLAY" | DISPLAY KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "RIGHT" | RIGHT KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "LEFT" | LEFT KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "UP" | UP KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "DOWN" | DOWN KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "SELECT" | SELECT KEY(for iPod 1wire) | Yes | Yes | Yes | |
| "RETURN" | RETURN KEY(for iPod 1wire) | Yes | Yes | Yes | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side.But control is sapareted. | | | | | |
| "NPZ" - Internet Radio Preset Command (Network Model Only) | | | | | |
| "01"-28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side.But control is sapareted. | | | | | |
| "LMZ" - Listening Mode Command | | | | | |
| "00" | sets STEREO | No | No | No | |
| "01" | sets DIRECT | No | No | No | |
| "0F" | sets MONO | No | No | No | |
| "12" | sets MULTIPLEX | No | No | No | |
| "87" | sets DVS(PI2) | No | No | No | |
| "88" | sets DVS(NEO6) | No | No | No | |
| "LTZ" - Late Night Command | | | | | |
| "00" | sets Late Night Off | No | No | No | |
| "01" | sets Late Night Low | No | No | No | |
| "02" | sets Late Night High | No | No | No | |
| "UP" | sets Late Night State Wrap-Around Up | No | No | No | |
| "QSTN" | gets The Late Night Level | No | No | No | |
| "RAZ" - Re-EQ/Academy Filter Command | | | | | |
| "00" | sets Both Off | No | No | No | |
| "01" | sets Re-EQ On | No | No | No | |
| "02" | sets Academy On | No | No | No | |
| "UP" | sets Re-EQ/Academy State Wrap-Around Up | No | No | No | |
| "QSTN" | gets The Re-EQ/Academy State | No | No | No | |

Amplifier-related Command Support List

| Code | Means | PA-R200 | |
|---------------------------------------|--|---------|--|
| "PW3" - Zone3 Power Command | | | |
| "00" | sets Zone3 Standby | Yes | |
| "01" | sets Zone3 On | Yes | |
| "QSTN" | gets the Zone3 Power Status | Yes | |
| "MT3" - Zone3 Muting Command | | | |
| "00" | sets Zone3 Muting Off | Yes | |
| "01" | sets Zone3 Muting On | Yes | |
| "TG" | sets Zone3 Muting Wrap-Around | Yes | |
| "QSTN" | gets the Zone3 Muting Status | Yes | |
| "VL3" - Zone3 Volume Command | | | |
| "00"- "64" | Volume Level 0 – 100 (In hexadecimal representation) | Yes | |
| "00"- "50" | Volume Level 0 – 80 (In hexadecimal representation) | No | |
| "UP" | sets Volume Level Up | Yes | |
| "DOWN" | sets Volume Level Down | Yes | |
| "QSTN" | gets the Volume Level | Yes | |
| "TN3" - Zone3 Tone Command | | | |
| "Bxx" | Zone3 Bass (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | |
| "Txx" | Zone3 Treble (xx is "-A"... "00"... "+A"[-10...0...+10 2 step]) | No | |
| "BUP" | sets Bass Up (2 Step) | No | |
| "BDOWN" | sets Bass Down (2 Step) | No | |
| "TUP" | sets Treble Up (2 Step) | No | |
| "TDOWN" | sets Treble Down (2 Step) | No | |
| "QSTN" | gets Zone3 Tone ("BxxTxx") | No | |
| "BL3" - Zone3 Balance Command | | | |
| "xx" | Zone3 Balance (xx is "-A"... "00"... "+A"[L+10...0...R+10 2 step]) | No | |
| "UP" | sets Balance Up (to R 2 Step) | No | |
| "DOWN" | sets Balance Down (to L 2 Step) | No | |
| "QSTN" | gets Zone3 Balance | No | |
| "SL3" - ZONE3 Selector Command | | | |
| "00" | sets VIDEO1 VCR/DVR STB/DVR | Yes | |
| "01" | sets VIDEO2 CBL/SAT | Yes | |
| "02" | sets VIDEO3 GAME/TV GAME GAME1 | Yes | |
| "03" | sets VIDEO4 AUX1(AUX) | No | |
| "04" | sets VIDEO5 AUX2 GAME2 | No | |
| "05" | sets VIDEO6 PC | Yes | |
| "06" | sets VIDEO7 | No | |
| "07" | sets Hidden1 EXTRA1 | Yes | |
| "08" | sets Hidden2 EXTRA2 | Yes | |
| "09" | sets Hidden3 EXTRA3 | Yes | |
| "10" | sets DVD | Yes | |
| "20" | sets TAPE(1) | No | |
| "21" | sets TAPE2 | No | |
| "22" | sets PHONO | No | |
| "23" | sets CD TV/CD | Yes | |
| "24" | sets FM | Yes | |
| "25" | sets AM | Yes | |
| "26" | sets TUNER | Yes | |
| "27" | sets MUSIC SERVER P4S DLNA*2 | Yes*2 | |
| "28" | sets INTERNET RADIO iRadio Favorite*3 | Yes*3 | |
| "29" | sets USB/USB(Front) | Yes | |
| "2A" | sets USB(Rear) | Yes | |
| "2B" | sets NETWORK NET | Yes | |
| "2C" | sets USB(toggle) | Yes | |
| "2D" | sets Airplay | No | |
| "40" | sets Universal PORT | No | |
| "30" | sets MULTI CH | No | |
| "31" | sets XM*1 | No | |
| "32" | sets SIRIUS*1 | No | |
| "33" | sets DAB *5 | No | |
| "80" | sets SOURCE | Yes | |

| | | | |
|---|---|-----|--|
| "UP" | sets Selector Position Wrap-Around Up | Yes | |
| "DOWN" | sets Selector Position Wrap-Around Down | Yes | |
| "QSTN" | gets The Selector Position | Yes | |
| *1:Only available XM/SIRIUS/Model | | | |
| *6:Only AE Model (TX-NR515AE/616AE/818AE) | | | |
| "TUN" - Tuning Command | | | |
| "nnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz) | No | |
| "UP" | sets Tuning Frequency Wrap-Around Up | No | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | No | |
| "QSTN" | gets The Tuning Frequency | No | |
| The TUNER function is shared by the MAIN and ZONE side. | | | |
| "TU3" - Tuning Command | | | |
| "nnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz / SR nnnnn ch) | Yes | |
| "DIRECT" | starts/restarts Direct Tuning Mode | Yes | |
| "0" | sets 0 in Direct Tuning Mode | Yes | |
| "1" | sets 1 in Direct Tuning Mode | Yes | |
| "2" | sets 2 in Direct Tuning Mode | Yes | |
| "3" | sets 3 in Direct Tuning Mode | Yes | |
| "4" | sets 4 in Direct Tuning Mode | Yes | |
| "5" | sets 5 in Direct Tuning Mode | Yes | |
| "6" | sets 6 in Direct Tuning Mode | Yes | |
| "7" | sets 7 in Direct Tuning Mode | Yes | |
| "8" | sets 8 in Direct Tuning Mode | Yes | |
| "9" | sets 9 in Direct Tuning Mode | Yes | |
| "UP" | sets Tuning Frequency Wrap-Around Up | Yes | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | Yes | |
| "QSTN" | gets The Tuning Frequency | Yes | |
| The TUNER function is shared by the MAIN and ZONE side.But control is separated. | | | |
| Ex: FM 100.5 MHz(100/200kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5] | | | |
| Ex: FM 100.55 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5][!1TUN5] | | | |
| Ex: FM 90.0 MHz(100kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0] | | | |
| Ex: FM 90.00 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0][!1TUN0] | | | |
| Ex: AM 1230 kHz(10kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN2][!1TUN3] | | | |
| Ex: AM 1341 kHz(9kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN3][!1TUN4][!1TUN1] | | | |
| "PRS" - Preset Command | | | |
| "01"-28" | sets Preset No. 1 - 40 (In hexadecimal representation) | No | |
| "01"-1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | |
| "UP" | sets Preset No. Wrap-Around Up | No | |
| "DOWN" | sets Preset No. Wrap-Around Down | No | |
| "QSTN" | gets The Preset No. | No | |
| The TUNER function is shared by the MAIN and ZONE side. | | | |
| "PR3" - Preset Command | | | |
| "01"-28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | |
| "01"-1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | |
| "UP" | sets Preset No. Wrap-Around Up | Yes | |
| "DOWN" | sets Preset No. Wrap-Around Down | Yes | |
| "QSTN" | gets The Preset No. | Yes | |
| The TUNER function is shared by the MAIN and ZONE side.But control is separated. | | | |
| "NTC" - Net-Tune/Network Operation Command(Net-Tune Model Only) | | | |
| "PLAYz" | PLAY KEY | No | |
| "STOPz" | STOP KEY | No | |
| "PAUSEz" | PAUSE KEY | No | |
| "TRUPz" | TRACK UP KEY | No | |
| "TRDNz" | TRACK DOWN KEY | No | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side. | | | |
| "NT3" - Net-Tune/Network Operation Command(Network Model Only) | | | |
| "PLAY" | PLAY KEY | Yes | |
| "STOP" | STOP KEY | Yes | |
| "PAUSE" | PAUSE KEY | Yes | |
| "TRUP" | TRACK UP KEY | Yes | |
| "TRDN" | TRACK DOWN KEY | Yes | |
| "CHUP" | CH UP(for iRadio) | Yes | |
| "CHDN" | CH DOWNP(for iRadio) | Yes | |
| "FF" | FF KEY (CONTINUOUS*) (for iPod 1wire) | Yes | |
| "REW" | REW KEY (CONTINUOUS*) (for iPod 1wire) | Yes | |
| "REPEAT" | REPEAT KEY(for iPod 1wire) | Yes | |
| "RANDOM" | RANDOM KEY(for iPod 1wire) | Yes | |
| "DISPLAY" | DISPLAY KEY(for iPod 1wire) | Yes | |
| "RIGHT" | RIGHT KEY(for iPod 1wire) | Yes | |
| "LEFT" | LEFT KEY(for iPod 1wire) | Yes | |

| | | | |
|--|---|-----|--|
| "UP" | UP KEY(for iPod 1wire) | Yes | |
| "DOWN" | DOWN KEY(for iPod 1wire) | Yes | |
| "SELECT" | SELECT KEY(for iPod 1wire) | Yes | |
| "RETURN" | RETURN KEY(for iPod 1wire) | Yes | |
| "NP3" - Internet Radio Preset Command (Network Model Only) | | | |
| "01"-28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side. | | | |
| | | | |

Amplifier-related Command Support List

| Code | Means | DTR-70.1 | DTR-80.1 | DTR-70.2 | |
|---|---|----------|----------|----------|--|
| "PW4" - Zone4 Power Command | | | | | |
| "00" | sets Zone4 Standby | Yes | Yes | Yes | |
| "01" | sets Zone4 On | Yes | Yes | Yes | |
| "QSTN" | gets the Zone4 Power Status | Yes | Yes | Yes | |
| "MT4" - Zone4 Muting Command | | | | | |
| "00" | sets Zone4 Muting Off | Yes | Yes | Yes | |
| "01" | sets Zone4 Muting On | Yes | Yes | Yes | |
| "TG" | sets Zone4 Muting Wrap-Around | Yes | Yes | Yes | |
| "QSTN" | gets the Zone4 Muting Status | Yes | Yes | Yes | |
| "VL4" - Zone4 Volume Command | | | | | |
| "00"- "64" | Volume Level 0 – 100 (In hexadecimal representation) | Yes | Yes | Yes | |
| "00"- "50" | Volume Level 0 – 80 (In hexadecimal representation) | No | No | No | |
| "UP" | sets Volume Level Up | Yes | Yes | Yes | |
| "DOWN" | sets Volume Level Down | Yes | Yes | Yes | |
| "QSTN" | gets the Volume Level | Yes | Yes | Yes | |
| "SL4" - ZONE4 Selector Command | | | | | |
| "00" | sets VIDEO1 VCR/DVR STB/DVR | Yes | Yes | Yes | |
| "01" | sets VIDEO2 CBL/SAT | Yes | Yes | Yes | |
| "02" | sets VIDEO3 GAME/TV GAME GAME1 | Yes | Yes | Yes | |
| "03" | sets VIDEO4 AUX1(AUX) | Yes | Yes | Yes | |
| "04" | sets VIDEO5 AUX2 GAME2 | Yes | Yes | No | |
| "05" | sets VIDEO6 PC | No | No | Yes | |
| "06" | sets VIDEO7 | No | No | No | |
| "07" | sets Hidden1 EXTRA1 | No | No | No | |
| "08" | sets Hidden2 EXTRA2 | No | No | No | |
| "09" | sets Hidden3 EXTRA3 | No | No | No | |
| "10" | sets DVD BD/DVD | Yes | Yes | Yes | |
| "20" | sets TAPE(1) TV/TAPE | Yes | Yes | Yes | |
| "21" | sets TAPE2 | No | No | No | |
| "22" | sets PHONO | Yes | Yes | Yes | |
| "23" | sets CD TV/CD | Yes | Yes | Yes | |
| "24" | sets FM | Yes | Yes | Yes | |
| "25" | sets AM | Yes | Yes | Yes | |
| "26" | sets TUNER | Yes | Yes | Yes | |
| "27" | sets MUSIC SERVER P4S DLNA*2 | Yes | Yes | Yes | |
| "28" | sets INTERNET RADIO iRadio Favorite*3 | Yes | Yes | Yes | |
| "29" | sets USB/USB(Front) | Yes | Yes | Yes | |
| "2A" | sets USB(Rear) | No | Yes | No | |
| "2B" | sets NETWORK NET | No | No | No | |
| "2C" | sets USB(toggle) | No | No | No | |
| "2D" | sets Airplay | | | No | |
| "40" | sets Universal PORT | Yes | Yes | Yes | |
| "30" | sets MULTI CH | No | No | No | |
| "31" | sets XM*1 | No | No | No | |
| "32" | sets SIRIUS*1 | Yes | Yes | Yes | |
| "33" | sets DAB *5 | No | No | No | |
| "80" | sets SOURCE | Yes | Yes | Yes | |
| "UP" | sets Selector Position Wrap-Around Up | No | No | No | |
| "DOWN" | sets Selector Position Wrap-Around Down | No | No | No | |
| "QSTN" | gets The Selector Position | Yes | Yes | Yes | |
| *1:Only available XM/SIRIUS/Model | | | | | |
| *5:Only Europe, Asia/Australia Model | | | | | |
| "TUN" - Tuning Command | | | | | |
| "nnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz) | No | No | No | |
| "UP" | sets Tuning Frequency Wrap-Around Up | No | No | No | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | No | No | No | |
| "QSTN" | gets The Tuning Frequency | No | No | No | |
| The TUNER function is shared by the MAIN and ZONE side. | | | | | |
| "TU4" - Tuning Command | | | | | |
| "nnnn" | sets Directly Tuning Frequency (FM nnn.nn MHz / AM nnnnn kHz) | Yes | Yes | Yes | |

| | | | | | |
|---|---|-----|-----|-----|--|
| "DIRECT" | starts/restarts Direct Tuning Mode | No | No | Yes | |
| "0" | sets 0 in Direct Tuning Mode | No | No | Yes | |
| "1" | sets 1 in Direct Tuning Mode | No | No | Yes | |
| "2" | sets 2 in Direct Tuning Mode | No | No | Yes | |
| "3" | sets 3 in Direct Tuning Mode | No | No | Yes | |
| "4" | sets 4 in Direct Tuning Mode | No | No | Yes | |
| "5" | sets 5 in Direct Tuning Mode | No | No | Yes | |
| "6" | sets 6 in Direct Tuning Mode | No | No | Yes | |
| "7" | sets 7 in Direct Tuning Mode | No | No | Yes | |
| "8" | sets 8 in Direct Tuning Mode | No | No | Yes | |
| "9" | sets 9 in Direct Tuning Mode | No | No | Yes | |
| "UP" | sets Tuning Frequency Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Tuning Frequency Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Tuning Frequency | Yes | Yes | Yes | |
| The TUNER function is shared by the MAIN and ZONE side. But control is separated. | | | | | |
| Ex: FM 100.5 MHz(100/200kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5] | | | | | |
| Ex: FM 100.55 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN1][!1TUN0][!1TUN0][!1TUN5][!1TUN5] | | | | | |
| Ex: FM 90.0 MHz(100kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0] | | | | | |
| Ex: FM 90.00 MHz(50kHz Step) Direct Tuning is [!1SLI24][!1TUNDIRECT][!1TUN9][!1TUN0][!1TUN0][!1TUN0] | | | | | |
| Ex: AM 1230 kHz(10kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN2][!1TUN3] | | | | | |
| Ex: AM 1341 kHz(9kHz Step) Direct Tuning is [!1SLI25][!1TUNDIRECT][!1TUN1][!1TUN3][!1TUN4][!1TUN1] | | | | | |
| "PRS" - Preset Command | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | No | No | No | |
| "01"- "1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | No | No | |
| "UP" | sets Preset No. Wrap-Around Up | No | No | No | |
| "DOWN" | sets Preset No. Wrap-Around Down | No | No | No | |
| "QSTN" | gets The Preset No. | No | No | No | |
| The TUNER function is shared by the MAIN and ZONE side. | | | | | |
| "PR4" - Preset Command | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| "01"- "1E" | sets Preset No. 1 - 30 (In hexadecimal representation) | No | No | No | |
| "UP" | sets Preset No. Wrap-Around Up | Yes | Yes | Yes | |
| "DOWN" | sets Preset No. Wrap-Around Down | Yes | Yes | Yes | |
| "QSTN" | gets The Preset No. | Yes | Yes | Yes | |
| The TUNER function is shared by the MAIN and ZONE side. But control is separated. | | | | | |
| "NTC" - Net-Tune/Network Operation Command(Net-Tune Model Only) | | | | | |
| "PLAYz" | PLAY KEY | No | No | No | |
| "STOPz" | STOP KEY | No | No | No | |
| "PAUSEz" | PAUSE KEY | No | No | No | |
| "TRUPz" | TRACK UP KEY | No | No | No | |
| "TRDNz" | TRACK DOWN KEY | No | No | No | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side. | | | | | |
| "NT4" - Net-Tune/Network Operation Command(Network Model Only) | | | | | |
| "PLAY" | PLAY KEY | Yes | Yes | Yes | |
| "STOP" | STOP KEY | Yes | Yes | Yes | |
| "PAUSE" | PAUSE KEY | Yes | Yes | Yes | |
| "TRUP" | TRACK UP KEY | Yes | Yes | Yes | |
| "TRDN" | TRACK DOWN KEY | Yes | Yes | Yes | |
| "FF" | FF KEY (CONTINUOUS*) (for iPod 1wire) | No | No | Yes | |
| "REW" | REW KEY (CONTINUOUS*) (for iPod 1wire) | No | No | Yes | |
| "REPEAT" | REPEAT KEY(for iPod 1wire) | No | No | Yes | |
| "RANDOM" | RANDOM KEY(for iPod 1wire) | No | No | Yes | |
| "DISPLAY" | DISPLAY KEY(for iPod 1wire) | No | No | Yes | |
| "RIGHT" | RIGHT KEY(for iPod 1wire) | No | No | Yes | |
| "LEFT" | LEFT KEY(for iPod 1wire) | No | No | Yes | |
| "UP" | UP KEY(for iPod 1wire) | No | No | Yes | |
| "DOWN" | DOWN KEY(for iPod 1wire) | No | No | Yes | |
| "SELECT" | SELECT KEY(for iPod 1wire) | No | No | Yes | |
| "RETURN" | RETURN KEY(for iPod 1wire) | No | No | Yes | |
| "NP4" - Internet Radio Preset Command (Network Model Only) | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| The Net-Tune/Network function is shared by the MAIN and ZONE side. | | | | | |

Main-related Command Support List

| Code | Means | PA-R100 | PA-R200 | AG-D500 | |
|--|--|---------|---------|---------|--|
| "NTC" - Net-Tune Operation Command (Net-Tune Model Only before TX-NR1000) | | | | | |
| "NTC" - Network/USB Operation Command (Network Model Only after TX-NR905) | | | | | |
| "PLAY" | PLAY KEY | Yes | Yes | Yes | |
| "STOP" | STOP KEY | Yes | Yes | Yes | |
| "PAUSE" | PAUSE KEY | Yes | Yes | Yes | |
| "TRUP" | TRACK UP KEY | Yes | Yes | Yes | |
| "TRDN" | TRACK DOWN KEY | Yes | Yes | Yes | |
| "FF" | FF KEY (CONTINUOUS*) | Yes | Yes | Yes | |
| "REW" | REW KEY (CONTINUOUS*) | Yes | Yes | Yes | |
| "REPEAT" | REPEAT KEY | Yes | Yes | Yes | |
| "RANDOM" | RANDOM KEY | Yes | Yes | Yes | |
| "DISPLAY" | DISPLAY KEY | Yes | Yes | Yes | |
| "ALBUM" | ALBUM KEY | No | No | No | |
| "ARTIST" | ARTIST KEY | No | No | No | |
| "GENRE" | GENRE KEY | No | No | No | |
| "PLAYLIST" | PLAYLIST KEY | No | No | No | |
| "RIGHT" | RIGHT KEY | Yes | Yes | Yes | |
| "LEFT" | LEFT KEY | Yes | Yes | Yes | |
| "UP" | UP KEY | Yes | Yes | Yes | |
| "DOWN" | DOWN KEY | Yes | Yes | Yes | |
| "SELECT" | SELECT KEY | Yes | Yes | Yes | |
| "0" | 0 KEY | Yes | Yes | Yes | |
| "1" | 1 KEY | Yes | Yes | Yes | |
| "2" | 2 KEY | Yes | Yes | Yes | |
| "3" | 3 KEY | Yes | Yes | Yes | |
| "4" | 4 KEY | Yes | Yes | Yes | |
| "5" | 5 KEY | Yes | Yes | Yes | |
| "6" | 6 KEY | Yes | Yes | Yes | |
| "7" | 7 KEY | Yes | Yes | Yes | |
| "8" | 8 KEY | Yes | Yes | Yes | |
| "9" | 9 KEY | Yes | Yes | Yes | |
| "DELETE" | DELETE KEY | Yes | Yes | Yes | |
| "CAPS" | CAPS KEY | Yes | Yes | Yes | |
| "LOCATION" | LOCATION KEY | No | No | No | |
| "LANGUAGE" | LANGUAGE KEY | No | No | No | |
| "SETUP" | SETUP KEY | No | No | No | |
| "RETURN" | RETURN KEY | Yes | Yes | Yes | |
| "CHUP" | CH UP(for iRadio) | Yes | Yes | Yes | |
| "CHDN" | CH DOWN(for iRadio) | Yes | Yes | Yes | |
| "MENU" | MENU | Yes | Yes | Yes | |
| "TOP" | TOP MENU | Yes | Yes | Yes | |
| "MODE" | MODE(for iPod) STD<->EXT | Yes | Yes | Yes | |
| "LIST" | LIST <-> PLAYBACK | Yes | Yes | Yes | |
| * FFW/REW Net-tune commands must be sent continuously, with no more than 100ms delay between codes | | | | | |
| "NAT" - NET/USB Artist Name Info | | | | | |
| "nnnnnnnnnn" | NET/USB Artist Name (variable-length, 64 ASCII letters max) | RS232C | RS232C | No | |
| "nnnnnnnnnn" | NET/USB Artist Name (variable-length, 64 Unicode letters [UTF-8 encoded]) | Ether | Ether | Ether | |
| "QSTN" | gets NET/USB Artist Name | Yes | Yes | Yes | |
| "NAL" - NET/USB Album Name Info | | | | | |
| "nnnnnnnn" | NET/USB Album Name (variable-length, 64 ASCII letters max) | RS232C | RS232C | No | |
| "nnnnnnnn" | NET/USB Album Name (variable-length, 64 Unicode letters [UTF-8 encoded]) | Ether | Ether | Ether | |
| "QSTN" | gets NET/USB Album Name | Yes | Yes | Yes | |
| "NTI" - NET/USB Title Name | | | | | |
| "nnnnnnnnnn" | NET/USB Title Name (variable-length, 64 ASCII letters max) | RS232C | RS232C | No | |
| "nnnnnnnnnn" | NET/USB Title Name (variable-length, 64 Unicode letters [UTF-8 encoded]) | Ether | Ether | Ether | |
| "QSTN" | gets NET/USB Title Name | Yes | Yes | Yes | |
| "NTM" - NET/USB Time Info | | | | | |
| "mm:ss/mm:ss" | NET/USB Time Info (Elapsed time/Track Time Max 99:59. If time is unknown) | Yes | Yes | Yes | |
| "QSTN" | gets NET/USB Time Info | Yes | Yes | Yes | |
| "NTR" - NET/USB Track Info | | | | | |
| "cccc/tttt" | NET/USB Track Info (Current Track/Total Track Max 9999. If Track is unknown) | Yes | Yes | Yes | |
| "QSTN" | gets NET/USB Track Info | Yes | Yes | Yes | |
| "NST" - NET/USB Play Status | | | | | |

| | | | | | |
|--|---|-----|-----|-----|--|
| "prs" | NET/USB Play Status (3 letters) p -> Play Status: "S": STOP, "P": Play, "p": Pause, "F": FF, "R": FR r -> Repeat Status: "-": Off, "R": All, "F": Folder, "1": Repeat 1, s -> Shuffle Status: "-": Off, "S": All, "A": Album, "F": Folder | Yes | Yes | Yes | |
| "QSTN" | gets the Net/USB Status | Yes | Yes | Yes | |
| "NPR" - Internet Radio Preset Command | | | | | |
| "01"- "28" | sets Preset No. 1 - 40 (In hexadecimal representation) | Yes | Yes | Yes | |
| "SET" | preset memory current station | Yes | Yes | Yes | |
| "NLS" - NET/USB List Info | | | | | |
| "tlpnnnnnnnnn" | NET/USB List Info t ->Information Type (A : ASCII letter, C : Cursor Info) when t = A, I ->Line Info (0-9 : 1st to 10th Line) nnnnnnnn:Listed data (variable-length, 64 ASCII letters max) when AVR is not displayed NET/USB List(Ketboard,Menu,Popup...), "nnnnnnnn" is "See TV". p ->Property (- : no) when t = C, I ->Cursor Position (0-9 : 1st to 10th Line, - : No Cursor) p ->Update Type (P : Page Infomation Update (Page Clear or Disable List Info) , C : Cursor Position Update) | No | No | No | |
| "tlpnnnnnnnnn" | NET/USB List Info t ->Information Type (A : ASCII letter, C : Cursor Info, U : Unicode letter) when t = A, I ->Line Info (0-9 : 1st to 10th Line) nnnnnnnn:Listed data (variable-length, 64 ASCII letters max) when AVR is not displayed NET/USB List(Keyboard,Menu,Popup...), "nnnnnnnn" is "See TV". p ->Property - : no 0 : Playing, A : Artist, B : Album, F : Folder, M : Music, P : Playlist, S : Search a : Account, b : Playlist-C, c : Starred, d : Unstarred, e : What's New when t = C, I ->Cursor Position (0-9 : 1st to 10th Line, - : No Cursor) p ->Update Type (P : Page Infomation Update (Page Clear or Disable List Info) , C : Cursor Position Update) when t = U, (for Network Control Only) I ->Line Info (0-9 : 1st to 10th Line) nnnnnnnn:Listed data (variable-length, 64 Unicode letters [UTF-8 encoded] max) when AVR is not displayed NET/USB List(Keyboard,Menu,Popup...), "nnnnnnnn" is "See TV". | Yes | Yes | Yes | |
| "ti" | select the listed item t -> Index Type (L : Line, I : Index) when t = L, i -> Line number (0-9 : 1st to 10th Line [1 digit]) when t = I, iiii -> Index number (00001-99999 : 1st to 99999th Item [5 digits]) | Yes | Yes | Yes | |
| "NLA" - NET/USB List Info(All item, need processing XML data) | | | | | |

| | | | | | |
|---|---|------------|------------|------------|--|
| <p>"tzzzzsurr<.....>"</p> | <p>t -> response type X : XML zzzz -> sequence number (0000-FFFF) s -> status 'S' : success, 'E' : error u -> UI type '0' : List, '1' : Menu, '2' : Playback, '3' : Popup, '4' : Keyboard, '5' : Menu List rr -> reserved <.....> : XML data ([CR] and [LF] are removed) If s='S'; <?xml version="1.0" encoding="UFT-8"?> <response status="ok"> <items offset="xxxx" totalitems="yyyy" > <item icontype="a" title="bbb...bbb" /> ... <item icontype="a" title="bbb...bbb" /> </Items> </response> If s='E'; <?xml version="1.0" encoding="UFT-8"?> <response status="fail"> <error code="[error code]" message="[error message]" /> </response> xxxx : index of 1st item (0000-FFFF : 1st to 65536th Item [4 HEX digits]) yyyy : number of items (0000-FFFF : 1 to 65536 Items [4 HEX digits]) a: Icon Type '0' : Playing, '1' : Pause, '2' : FF, '3' : FR 'A' : Artist, 'B' : Album, 'F' : Folder, 'G' : Program, 'M' : Music, 'N' : Server, 'P' : Playlist, 'S' : Search, 'T' : Track Specify to get the listed data (from Network Control Only)</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> | |
| <p>"Lzzzzlxxxxyyyy"</p> | <p>zzzz -> sequence number (0000-FFFF) ll -> number of layer (00-FF) xxxx -> index of start item (0000-FFFF : 1st to 65536th Item [4 HEX digits]) yyyy -> number of items (0000-FFFF : 1 to 65536 Items [4 HEX digits]) select the listed item (from Network Control Only)</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> | |
| <p>"lzzzzlxxxx----"</p> | <p>zzzz -> sequence number (0000-FFFF) ll -> number of layer (00-FF) xxxx -> index number (0000-FFFF : 1st to 65536th Item [4 HEX digits]) ---- -> not used</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> | |
| <p>"NJA" - NET/USB Jacket Art (When Jacket Art is available and Output for Network Control Only)</p> | | | | | |
| <p>"tpxxxxxxxxxxxx"</p> | <p>NET/USB Jacket Art/Album Art Data t-> Image type 0:BMP,1:JPEG p-> Packet flag 0:Start, 1:Next, 2:End xxxxxxxxxxxxxx -> Jacket/Album Art Data (variable length, 1024 ASCII HEX letters max)</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> | |
| <p>"NSV" - NET Service(for Network Control Only)</p> | | | | | |
| <p>"ssiaaaa...aaaabbbb...bbbb"</p> | <p>select Network Service directly ss -> Network Service 00:Media Server (DLNA), 01:Favorite, 02:vTuner, 03:SIRIUS, 04:Pandora, 05:Rhapsody, 06>Last.fm, 07:Napster, 08:Slacker, 09:Mediafly, 0A:Spotify, 0B:AUPEO!, 0C:Radiko, 0D:e-onkyo, 0E:TuneIn Radio, 0F:mp3tunes, 10:Simfy, 11:Home Media i-> Account Info 0: No 1: Yes "aaaa...aaaa": User Name (128 Unicode letters [UTF-8 encoded] max) "bbbb...bbbb": Password (128 Unicode letters [UTF-8 encoded] max)</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> | |
| <p>"NKY" - NET Keyboard(for Network Control Only)</p> | | | | | |
| <p>"ll"</p> | <p>waiting Keyboard Input ll -> category 00: Off (Exit Keyboard Input) 01: User Name 02: Password 03: Artist Name 04: Album Name 05: Song Name 06: Station Name 07: Tag Name 08: Artist or Song 09: Episode Name 0A: Pin Code (some digit Number [0-9]) 0B: User Name (available ISO 8859-1 character set) 0C: Password (available ISO 8859-1 character set)</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> | |

| | | | | | |
|--|--|-----|-----|-----|--|
| "nnnnnnnnn" | set Keyboard Input letter "nnnnnnnn" is variable-length, 128 Unicode letters [UTF-8 encoded] max | Yes | Yes | Yes | |
| "NPU" - NET Popup Message(for Network Control Only) | | | | | |
| "xaaa...aaaybbb...bbb" | <p>x -> Popup Display Type 'T': Popup text is top 'B': Popup text is bottom 'L': Popup text is list format</p> <p>aaa...aaa -> Popup Title, Message when x = 'T' or 'B' Top Title [0x00] Popup Title [0x00] Popup Message [0x00] (variable-length Unicode letter [UTF-8 encoded])</p> <p>when x = 'L' Top Title [0x00] Item Title 1 [0x00] Item Parameter 1 [0x00] ... [0x00] Item Title 6 [0x00] Item Parameter 6 [0x00] (variable-length Unicode letter [UTF-8 encoded])</p> <p>y -> Cursor Position on button '0' : Button is not Displayed '1' : Cursor is on the button 1 '2' : Cursor is on the button 2</p> <p>bbb...bbb -> Text of Button Text of Button 1 [0x00] Text of Button 2 [0x00] (variable-length Unicode letter [UTF-8 encoded])</p> | Yes | Yes | Yes | |
| "NLT" - NET/USB List Title Info(for Network Control Only) | | | | | |
| "xxuyccccciiiIrraabbssnnn...nnn" | <p>NET/USB List Title Info</p> <p>xx : Service Type 00 : DLNA, 01 : Favorite, 02 : vTuner, 03 : SiriusXM, 04 : Pandora, 05 : Rhapsody, 06 : Last.fm, 07 : Napster, 08 : Slacker, 09 : Mediafly, 0A : Spotify, 0B : AUPEO!, 0C : radiko, 0D : e-onkyo, 0E : TuneIn Radio, 0F : MP3tunes, 10 : Simfy, 11:Home Media F0 : USB Front, F1 : USB Rear, F2 : Internet Radio, F3 : NET, FF : None</p> <p>u : UI Type 0 : List, 1 : Menu, 2 : Playback, 3 : Popup, 4 : Keyboard, "5" : Menu List</p> <p>y : Layer Info 0 : NET TOP, 1 : Service Top,DLNA/USB/iPod Top, 2 : under 2nd Layer</p> <p>cccc : Current Cursor Position (HEX 4 letters) iiii : Number of List Items (HEX 4 letters) ll : Number of Layer(HEX 2 letters) rr : Reserved (2 letters)</p> <p>aa : Icon on Left of Title Bar 00 : Internet Radio, 01 : Server, 02 : USB, 03 : iPod, 04 : DLNA, 05 : WiFi, 06 : Favorite 10 : Account(Spotify), 11 : Album(Spotify), 12 : Playlist(Spotify), 13 : Playlist-C(Spotify) 14 : Starred(Spotify), 15 : What's New(Spotify), 16 : Track(Spotify), 17 : Artist(Spotify)</p> | No | No | No | |
| "NMD" - iPod Mode Change (with USB Connection Only) | | | | | |
| "STD" | Standard Mode | Yes | Yes | Yes | |
| "EXT" | Extend Mode(If available) | Yes | Yes | Yes | |
| "VDC" | Video Contents in Extended Mode | Yes | Yes | Yes | |
| "QSTN" | gets iPod Mode Status | Yes | Yes | Yes | |

RI Dock / RI Components -related Command Support List

| Code | Means | PA-R100 | PA-R200 | AG-D500 | |
|---|-------------------|---------|---------|---------|--|
| "CDS" - Command for Docking Station via RI | | | | | |
| "PWRON" | sets Dock On | Yes | Yes | Yes | |
| "PWROFF" | sets Dock Standby | Yes | Yes | Yes | |
| "PLY/RES" | PLAY/RESUME Key | Yes | Yes | Yes | |
| "STOP" | STOP Key | Yes | Yes | Yes | |
| "SKIP.F" | TRACK UP Key | Yes | Yes | Yes | |
| "SKIP.R" | TRACK DOWN Key | Yes | Yes | Yes | |
| "PAUSE" | PAUSE Key | Yes | Yes | Yes | |
| "PLY/PAU" | PLAY/PAUSE Key | Yes | Yes | Yes | |
| "FF" | FF Key | Yes | Yes | Yes | |
| "REW" | FR Key | Yes | Yes | Yes | |
| "ALBUM+" | ALBUM UP Key | Yes | Yes | Yes | |
| "ALBUM-" | ALBUM DOWN Key | Yes | Yes | Yes | |
| "PLIST+" | PLAYLIST UP Key | Yes | Yes | Yes | |
| "PLIST-" | PLAYLIST DOWN Key | Yes | Yes | Yes | |
| "CHAPT+" | CHAPTER UP Key | Yes | Yes | Yes | |
| "CHAPT-" | CHAPTER DOWN Key | Yes | Yes | Yes | |
| "RANDOM" | SHUFFLE Key | Yes | Yes | Yes | |
| "REPEAT" | REPEAT Key | Yes | Yes | Yes | |
| "MUTE" | MUTE Key | Yes | Yes | Yes | |
| "BLIGHT" | BACKLIGHT Key | Yes | Yes | Yes | |
| "MENU" | MENU Key | Yes | Yes | Yes | |
| "ENTER" | SELECT Key | Yes | Yes | Yes | |
| "UP" | CUSOR UP Key | Yes | Yes | Yes | |
| "DOWN" | CURSOR DOWN Key | Yes | Yes | Yes | |
| "CCD" - CD Player Operation Command | | | | | |
| "POWER" | POWER ON/OFF | No | No | No | |
| "TRACK" | TRACK+ | No | No | No | |
| "PLAY" | PLAY | No | No | No | |
| "STOP" | STOP | No | No | No | |
| "PAUSE" | PAUSE | No | No | No | |
| "SKIP.F" | >> | No | No | No | |
| "SKIP.R" | << | No | No | No | |
| "MEMORY" | MEMORY | No | No | No | |
| "CLEAR" | CLEAR | No | No | No | |
| "REPEAT" | REPEAT | No | No | No | |
| "RANDOM" | RANDOM | No | No | No | |
| "DISP" | DISPLAY | No | No | No | |
| "D.MODE" | D.MODE | No | No | No | |
| "FF" | FF >> | No | No | No | |
| "REW" | REW << | No | No | No | |
| "OP/CL" | OPEN/CLOSE | No | No | No | |
| "1" | 1 | No | No | No | |
| "2" | 2 | No | No | No | |
| "3" | 3 | No | No | No | |
| "4" | 4 | No | No | No | |
| "5" | 5 | No | No | No | |
| "6" | 6 | No | No | No | |
| "7" | 7 | No | No | No | |
| "8" | 8 | No | No | No | |
| "9" | 9 | No | No | No | |
| "0" | 0 | No | No | No | |
| "10" | 10 | No | No | No | |
| " +10" | +10 | No | No | No | |
| "D.SKIP" | DISC + | No | No | No | |
| "DISC.F" | DISC + | No | No | No | |
| "DISC.R" | DISC - | No | No | No | |
| "DISC1" | DISC1 | No | No | No | |
| "DISC2" | DISC2 | No | No | No | |
| "DISC3" | DISC3 | No | No | No | |
| "DISC4" | DISC4 | No | No | No | |
| "DISC5" | DISC5 | No | No | No | |

| | | | | | |
|--|-----------------|-----|-----|-----|--|
| "DISC6" | DISC6 | No | No | No | |
| "STBY" | STANDBY | No | No | No | |
| "PON" | POWER ON | No | No | No | |
| "CT1" - TAPE1(A) Operation Command | | | | | |
| "PLAY.F" | PLAY > | No | No | No | |
| "PLAY.R" | PLAY < | No | No | No | |
| "STOP" | STOP | No | No | No | |
| "RC/PAU" | REC/PAUSE | No | No | No | |
| "FF" | FF >> | No | No | No | |
| "REW" | REW << | No | No | No | |
| "CT2" - TAPE2(B) Operation Command | | | | | |
| "PLAY.F" | PLAY > | No | No | No | |
| "PLAY.R" | PLAY < | No | No | No | |
| "STOP" | STOP | No | No | No | |
| "RC/PAU" | REC/PAUSE | No | No | No | |
| "FF" | FF >> | No | No | No | |
| "REW" | REW << | No | No | No | |
| "OP/CL" | OPEN/CLOSE | No | No | No | |
| "SKIP.F" | >> | No | No | No | |
| "SKIP.R" | << | No | No | No | |
| "REC" | REC | No | No | No | |
| "CEQ" - Graphics Equalizer Operation Command | | | | | |
| "POWER" | POWER ON/OFF | No | No | No | |
| "PRESET" | PRESET | No | No | No | |
| "CDT" - DAT Recorder Operation Command | | | | | |
| "PLAY" | PLAY | No | No | No | |
| "RC/PAU" | REC/PAUSE | No | No | No | |
| "STOP" | STOP | No | No | No | |
| "SKIP.F" | >> | No | No | No | |
| "SKIP.R" | << | No | No | No | |
| "FF" | FF >> | No | No | No | |
| "REW" | REW << | No | No | No | |
| "CDV" - DVD Player Operation Command (via RIHD only after TX-NR509) | | | | | |
| "POWER" | POWER ON/OFF | Yes | Yes | Yes | |
| "PWRON" | POWER ON | Yes | Yes | Yes | |
| "PWROFF" | POWER OFF | Yes | Yes | Yes | |
| "PLAY" | PLAY | Yes | Yes | Yes | |
| "STOP" | STOP | Yes | Yes | Yes | |
| "SKIP.F" | >> | Yes | Yes | Yes | |
| "SKIP.R" | << | Yes | Yes | Yes | |
| "FF" | FF >> | Yes | Yes | Yes | |
| "REW" | REW << | Yes | Yes | Yes | |
| "PAUSE" | PAUSE | Yes | Yes | Yes | |
| "LASTPLAY" | LAST PLAY | Yes | Yes | Yes | |
| "SUBTON/OFF" | SUBTITLE ON/OFF | Yes | Yes | Yes | |
| "SUBTITLE" | SUBTITLE | Yes | Yes | Yes | |
| "SETUP" | SETUP | Yes | Yes | Yes | |
| "TOPMENU" | TOPMENU | Yes | Yes | Yes | |
| "MENU" | MENU | Yes | Yes | Yes | |
| "UP" | UP | Yes | Yes | Yes | |
| "DOWN" | DOWN | Yes | Yes | Yes | |
| "LEFT" | LEFT | Yes | Yes | Yes | |
| "RIGHT" | RIGHT | Yes | Yes | Yes | |
| "ENTER" | ENTER | Yes | Yes | Yes | |
| "RETURN" | RETURN | Yes | Yes | Yes | |
| "DISC.F" | DISC + | Yes | Yes | Yes | |
| "DISC.R" | DISC - | Yes | Yes | Yes | |
| "AUDIO" | AUDIO | Yes | Yes | Yes | |
| "RANDOM" | RANDOM | Yes | Yes | Yes | |
| "OP/CL" | OPEN/CLOSE | Yes | Yes | Yes | |
| "ANGLE" | ANGLE | Yes | Yes | Yes | |
| "1" | 1 | Yes | Yes | Yes | |
| "2" | 2 | Yes | Yes | Yes | |
| "3" | 3 | Yes | Yes | Yes | |
| "4" | 4 | Yes | Yes | Yes | |
| "5" | 5 | Yes | Yes | Yes | |
| "6" | 6 | Yes | Yes | Yes | |
| "7" | 7 | Yes | Yes | Yes | |
| "8" | 8 | Yes | Yes | Yes | |
| "9" | 9 | Yes | Yes | Yes | |

| | | | | | |
|--|----------------------------|-----|-----|-----|--|
| "10" | 10 | Yes | Yes | Yes | |
| "0" | 0 | Yes | Yes | Yes | |
| "SEARCH" | SEARCH | Yes | Yes | Yes | |
| "DISP" | DISPLAY | Yes | Yes | Yes | |
| "REPEAT" | REPEAT | Yes | Yes | Yes | |
| "MEMORY" | MEMORY | Yes | Yes | Yes | |
| "CLEAR" | CLEAR | Yes | Yes | Yes | |
| "ABR" | A-B REPEAT | Yes | Yes | Yes | |
| "STEP.F" | STEP | Yes | Yes | Yes | |
| "STEP.R" | STEP BACK | Yes | Yes | Yes | |
| "SLOW.F" | SLOW | Yes | Yes | Yes | |
| "SLOW.R" | SLOW BACK | Yes | Yes | Yes | |
| "ZOOMTG" | ZOOM | Yes | Yes | Yes | |
| "ZOOMUP" | ZOOM UP | Yes | Yes | Yes | |
| "ZOOMDN" | ZOOM DOWN | Yes | Yes | Yes | |
| "PROGRE" | PROGRESSIVE | Yes | Yes | Yes | |
| "VDOFF" | VIDEO ON/OFF | Yes | Yes | Yes | |
| "CONMEM" | CONDITION MEMORY | Yes | Yes | Yes | |
| "FUNMEM" | FUNCTION MEMORY | Yes | Yes | Yes | |
| "DISC1" | DISC1 | Yes | Yes | Yes | |
| "DISC2" | DISC2 | Yes | Yes | Yes | |
| "DISC3" | DISC3 | Yes | Yes | Yes | |
| "DISC4" | DISC4 | Yes | Yes | Yes | |
| "DISC5" | DISC5 | Yes | Yes | Yes | |
| "DISC6" | DISC6 | Yes | Yes | Yes | |
| "FOLDUP" | FOLDER UP | Yes | Yes | Yes | |
| "FOLDDN" | FOLDER DOWN | Yes | Yes | Yes | |
| "P.MODE" | PLAY MODE | Yes | Yes | Yes | |
| "ASCTG" | ASPECT(Toggle) | Yes | Yes | Yes | |
| "CDPCD" | CD CHAIN REPEAT | Yes | Yes | Yes | |
| "MSPUP" | MULTI SPEED UP | Yes | Yes | Yes | |
| "MSPDN" | MULTI SPEED DOWN | Yes | Yes | Yes | |
| "PCT" | PICTURE CONTROL | Yes | Yes | Yes | |
| "RSCTG" | RESOLUTION(Toggle) | Yes | Yes | Yes | |
| "INIT" | Return to Factory Settings | Yes | Yes | Yes | |
| "CMD" - MD Recorder Operation Command | | | | | |
| "POWER" | POWER ON/OFF | No | No | No | |
| "PLAY" | PLAY | No | No | No | |
| "STOP" | STOP | No | No | No | |
| "FF" | FF >> | No | No | No | |
| "REW" | REW << | No | No | No | |
| "P.MODE" | PLAY MODE | No | No | No | |
| "SKIP.F" | >> | No | No | No | |
| "SKIP.R" | << | No | No | No | |
| "PAUSE" | PAUSE | No | No | No | |
| "REC" | REC | No | No | No | |
| "MEMORY" | MEMORY | No | No | No | |
| "DISP" | DISPLAY | No | No | No | |
| "SCROLL" | SCROLL | No | No | No | |
| "M.SCAN" | MUSIC SCAN | No | No | No | |
| "CLEAR" | CLEAR | No | No | No | |
| "RANDOM" | RANDOM | No | No | No | |
| "REPEAT" | REPEAT | No | No | No | |
| "ENTER" | ENTER | No | No | No | |
| "EJECT" | EJECT | No | No | No | |
| "1" | 1 | No | No | No | |
| "2" | 2 | No | No | No | |
| "3" | 3 | No | No | No | |
| "4" | 4 | No | No | No | |
| "5" | 5 | No | No | No | |
| "6" | 6 | No | No | No | |
| "7" | 7 | No | No | No | |
| "8" | 8 | No | No | No | |
| "9" | 9 | No | No | No | |
| "10/0" | 10/0 | No | No | No | |
| "nn/nnn" | --/-- | No | No | No | |
| "NAME" | NAME | No | No | No | |
| "GROUP" | GROUP | No | No | No | |
| "STBY" | STANDBY | No | No | No | |
| "CCR" - CD-R Recorder Operation Command | | | | | |

| | | | | | |
|----------|--------------|----|----|----|--|
| "POWER" | POWER ON/OFF | No | No | No | |
| "P.MODE" | PLAY MODE | No | No | No | |
| "PLAY" | PLAY | No | No | No | |
| "STOP" | STOP | No | No | No | |
| "SKIP.F" | >> | No | No | No | |
| "SKIP.R" | << | No | No | No | |
| "PAUSE" | PAUSE | No | No | No | |
| "REC" | REC | No | No | No | |
| "CLEAR" | CLEAR | No | No | No | |
| "REPEAT" | REPEAT | No | No | No | |
| "1" | 1 | No | No | No | |
| "2" | 2 | No | No | No | |
| "3" | 3 | No | No | No | |
| "4" | 4 | No | No | No | |
| "5" | 5 | No | No | No | |
| "6" | 6 | No | No | No | |
| "7" | 7 | No | No | No | |
| "8" | 8 | No | No | No | |
| "9" | 9 | No | No | No | |
| "10/0" | 10/0 | No | No | No | |
| "nn/nnn" | --/-- | No | No | No | |
| "SCROLL" | SCROLL | No | No | No | |
| "OP/CL" | OPEN/CLOSE | No | No | No | |
| "DISP" | DISPLAY | No | No | No | |
| "RANDOM" | RANDOM | No | No | No | |
| "MEMORY" | MEMORY | No | No | No | |
| "FF" | FF | No | No | No | |
| "REW" | REW | No | No | No | |
| "STBY" | STANDBY | No | No | No | |

