'CR':Carriage Return (0x0D)
No case capitalization/ lowercase
Control order structure <xxPPuu'CR'
Reply control order frame >xxPPuu'CR'
xx: stands for control object code
10 :All Zone of Main unit 1.
20 :All Zone of Main unit 2.
30 :All Zone of Main unit 3.
:Zone1 of Main unit 1.
:Zone2 of Main unit 1.

....

RS-232
Control Codes

PP: Stands for control action code
PR:Power control
PR00:Power off PR01:Power on
MU:Mute control
MU00:Mute off MU01:Mute on
DT:Do Not Disturb control
DT00:DT control off
DT01:DT control on
VO:Volume control
VO(00-38):Volume control
TR:Treble control
TR(00-14):Treble control
BS:Bass control
BS(00-14):Bass control
BL:Balance control
BL(00-20):Balance control
CH:Source Channel control
CH(01-06):Source control

Inquiry command structure (1) ?xx'CR'
xx: stands for control object code
10 : All Zone of Main unit 1.
20 : All Zone of Main unit 2.
30 : All Zone of Main unit 3.
: Zone1 of Main unit 1
: Zone2 of Main unit 1
: Zone3 of Main unit 1
: Zone1 of Main unit 2
: Zone2 of Main unit 2
: Zone3 of Main unit 2

....
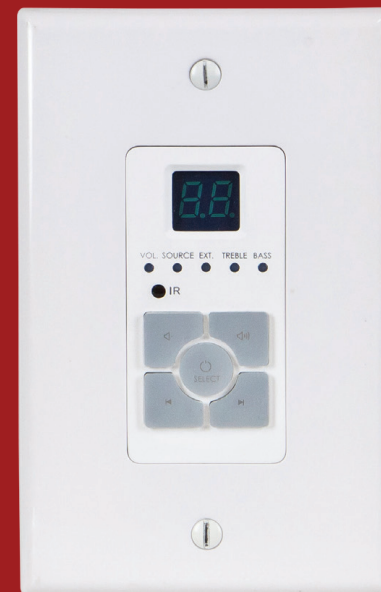
Reply command: >xxaabbccddeeffgghhiijj'CR'
aa: PA control status
bb: Power control status
    ([5]:Backup Zone Power Status
                    (only on zone)

cc: Mute control status
dd: DT control status
ee: Volume control status
ff: Treble control status
gg: Bass control status
hh: Balance control status
ii: Source control status
jj: keypad connecting status
(00:disconnect 01:connected)

Inquiry command structure(2)?xxPP'CR'
xx: stands for control object code
10 : All Zone of Main unit 1.
20 : All Zone of Main unit 2.
30 : All Zone of Main unit 3.

11 : Zone1 of Main unit 1
12 : Zone2 of Main unit 1
13 : Zone3 of Main unit 1
14 : Zone4 of Main unit 1
15 : Zone5 of Main unit 1
16 : Zone6 of Main unit 1

PP: Stands for control action code.
PA: PA control
PR: Power control
MU: Mute control
DT: DT control
VO: Volume control
TR: Treble control
BS: Bass control
BL: Balance control
CH: Source control
LS: keypad connecting status
Reply command: >xxPPuu'CR'

Key in 1<********'CR' change Source 1 Name display
  ******** needs to be 8 valid ASCII codes.

Key in 2<********'CR' change Source 2 Name display

Key in 3<********'CR' change Source 3 Name display

Key in 4<********'CR' change Source 4 Name display

Key in 5<********'CR' change Source 5 Name display

Key in 6<********'CR' change Source   Name display

Key in M<********'CR' change the name display
on keypad when turn on.

Key in <9600'CR' change RS232 speed rate to 9600

Key in <19200'CR' change RS232 speed rate to 19200

Key in <38400'CR' change RS232 speed rate to 38400

Key in <57600'CR' change RS232 speed rate to 57600

Key in <115200'CR' change RS232 speed rate to 115200

Key in <230400'CR' change RS232 speed rate to 230400

When unplugging and re-plugging the AC power
cord, the baud speed rate returns to 9600.

ee: Volume control status
ff: Treble control status
gg: Bass control status
hh: Balance control status
ii: Source control status
jj: keypad connect status

(00:disconnect 01:connected)
Inquiry command structure(2)?xxPP'CR'
xx: stands for control object code
10 : All Zone of Main unit 1.
20 : All Zone of Main unit 2.
30 : All Zone of Main unit 3.
11 : Zone1 of Main unit 1
12 : Zone2 of Main unit 1
13 : Zone3 of Main unit 1
14 : Zone4 of Main unit 1
15 : Zone5 of Main unit 1
16 : Zone6 of Main unit 1

RS-232
Control Codes

PP: Stands for control action code.
PA: PA control
PR: Power control
MU: Mute control
DT: DT control
VO: Volume control
TR: Treble control
BS: Bass control
BL: Balance control
CH: Source control
LS: keypad connecting status
    Reply command: >xxPPuu'CR'

    Reply command: >xxPPuu'CR'
;********needs to be 8 ASCII codes.
Key in 1<********'CR' change Source 1 Name display
Key in 2<********'CR' change Source 2 Name display
Key in 3<********'CR' change Source 3 Name display
Key in 4<********'CR' change Source 4 Name display
Key in 5<********'CR' change Source 5 Name display
Key in 6<********'CR' change Source 6 Name display

Key in M<********'CR' change the name in the display
On the keypad when the keypad is turned on.
Key in <9600'CR' change RS232 speed rate to 9600
Key in <19200'CR' change RS232 speed rate to 19200
Key in <38400'CR' change RS232 speed rate to 38400
Key in <57600'CR' change RS232 speed rate to 57600
Key in <115200'CR' change RS232 speed rate to 115200
Key in <230400'CR' change RS232 speed rate to 230400
When unplugging and re-plugging the AC power cord, the
Baud speed rate will return to 9600.