
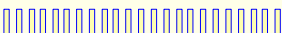

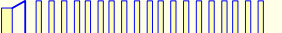


Formosa Audiomate Audio DSP FUNCTION CHART

WELCOME
Formosa Audiomate



User  
Inp  

THE MAIN MENU

ENTER

Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier



Crossover

Subsonic

Graphic EQ

Night Mode

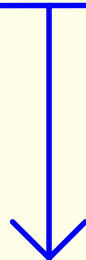
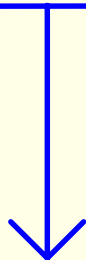
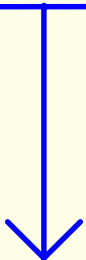
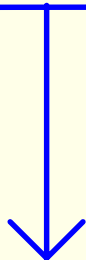
Phase

Auto Off

Save Data

FUNCTION SELECTION:


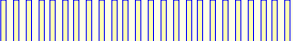
Turning "Multi Adjust" knob in front of the amplifier
or press "◀ ▶" on the remote controller




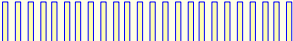
Goto SUB- MENU:

Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

1,CROSSOVER

MENU  
< Crossover > →

Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

Crov  
← 160Hz 54dB/oct →

| | | | | | | | | | | |
|-------|-------------------------------------------------------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| 40Hz | FLAT | 6dB/oct | 12dB/oct | 18dB/oct | 24dB/oct | 30dB/oct | 36dB/oct | 42dB/oct | 48dB/oct | 54dB/oct |
| 50Hz | → | | | | | | | | | |
| 63Hz | FILTER SELECTION: Turning "Multi Adjust" knob in front of the amplifier | | | | | | | | | |
| 80Hz | or using "▲▼" on the remote controller | | | | | | | | | |
| 100Hz | | | | | | | | | | |
| 125Hz | | | | | | | | | | |
| 160Hz | | | | | | | | | | |

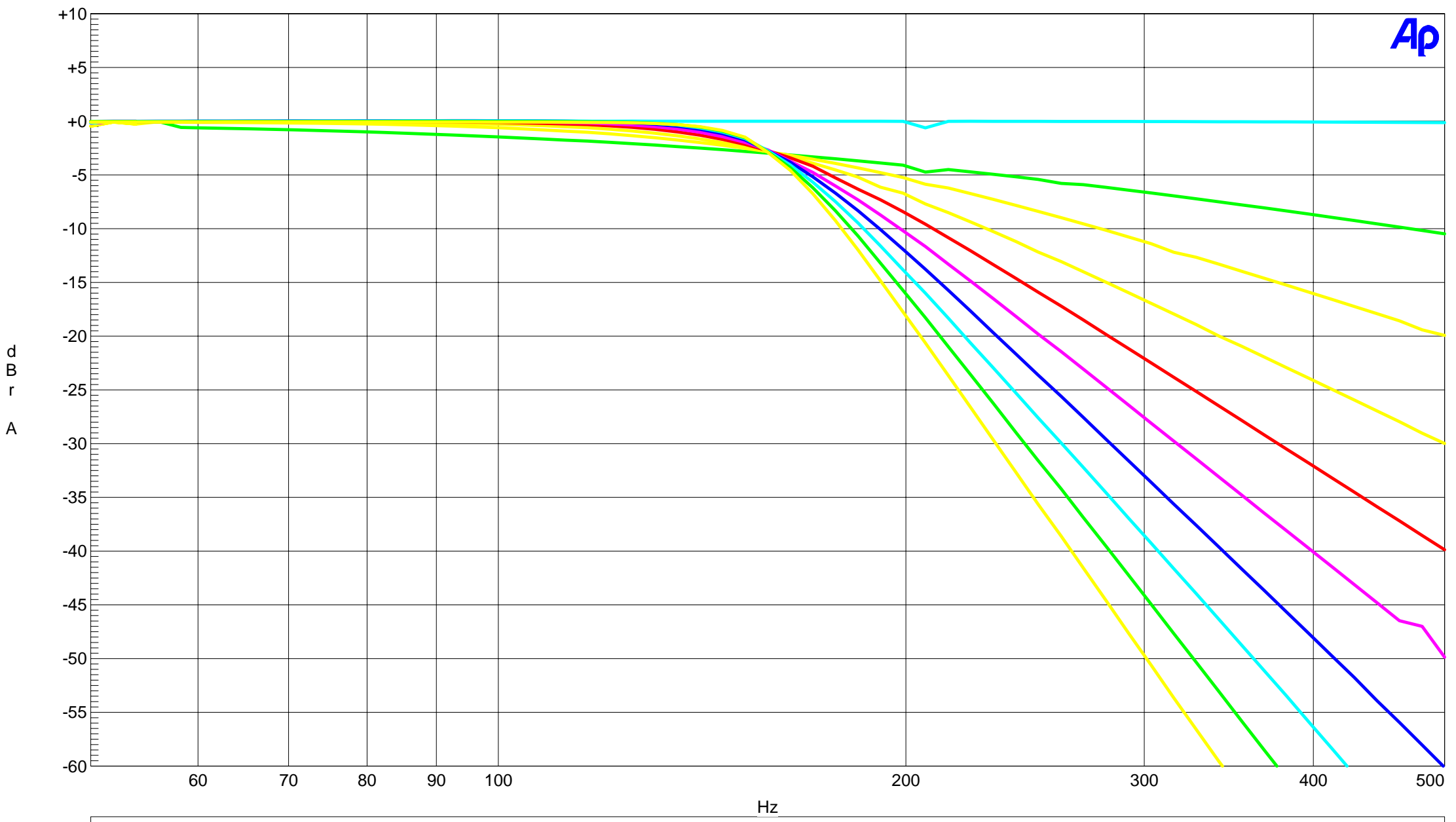
FREQUENCY SELECTION

Using "◀ ▶" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

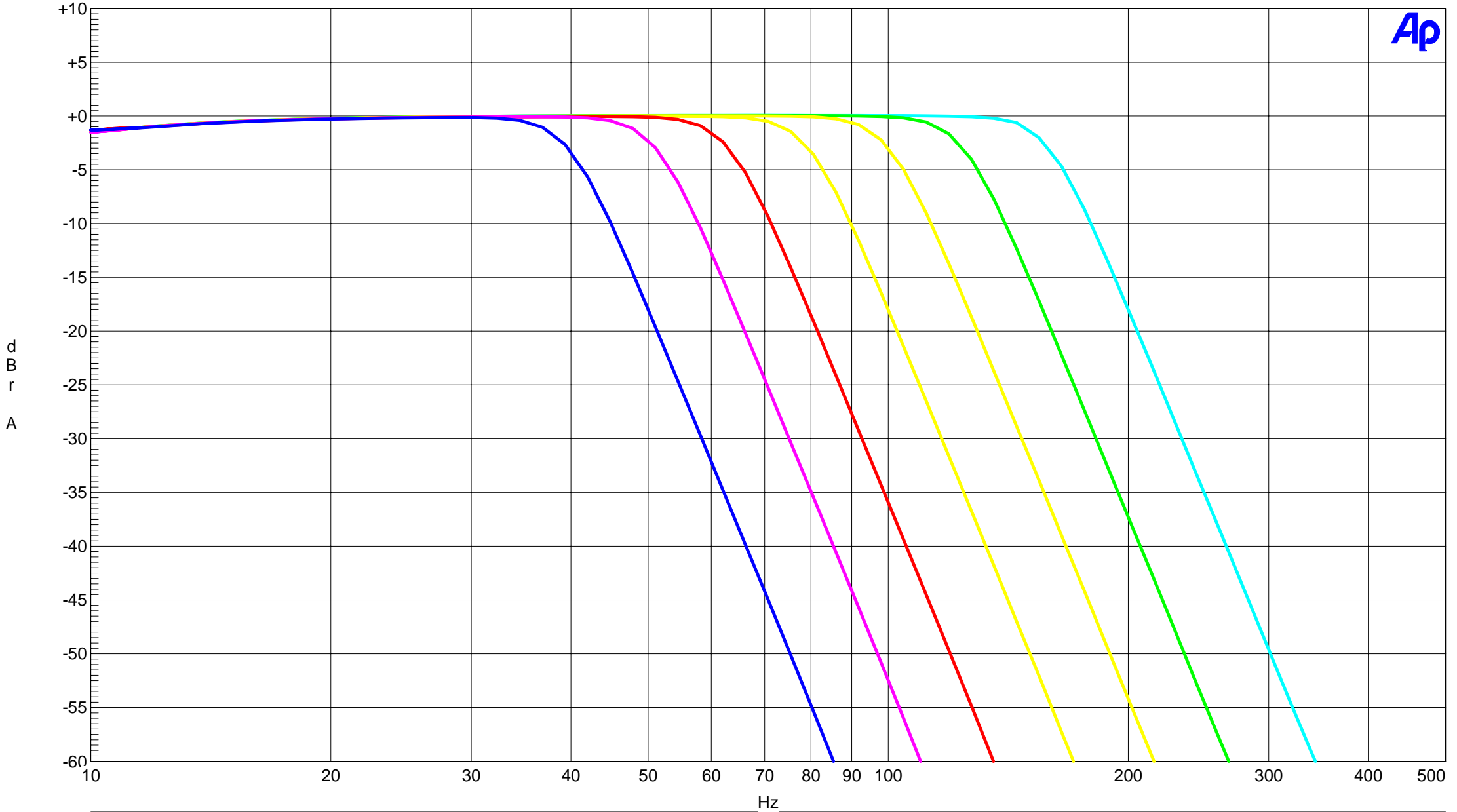
ATTACHED : AP TEST

1,160Hz LOW PASS FILTER .pdf

2,LOW PASS CROSSOVER FRE.pdf

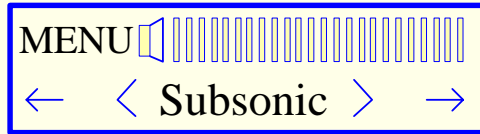


INPUT FRE:100Hz
OUTPUT:1W 100Hz=0dB
EQ=FLAT
LOWPASS 160Hz FILTER:FLAT/6dB/12dB/18dB/24dB/30dB/36dB/42dB/48dB/54dB

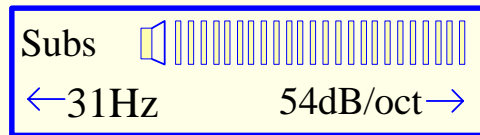


FILTER AT 54dB
SUBSONIC AT FLAT
OUTPUT:1W 100Hz =0dB
LOW PASS CROSSOVER:40/50/63/80/100/125/160Hz

2,SUBSONIC



Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier



FLAT 6dB/oct 12dB/oct 18dB/oct 24dB/oct 30dB/oct 36dB/oct 42dB/oct 48dB/oct 54dB/oct

16Hz
20Hz
25Hz
31Hz

FILTER SELECTION: Turning "Multi Adjust" knob in front of the amplifier
or using "▲▼" on the remote controller

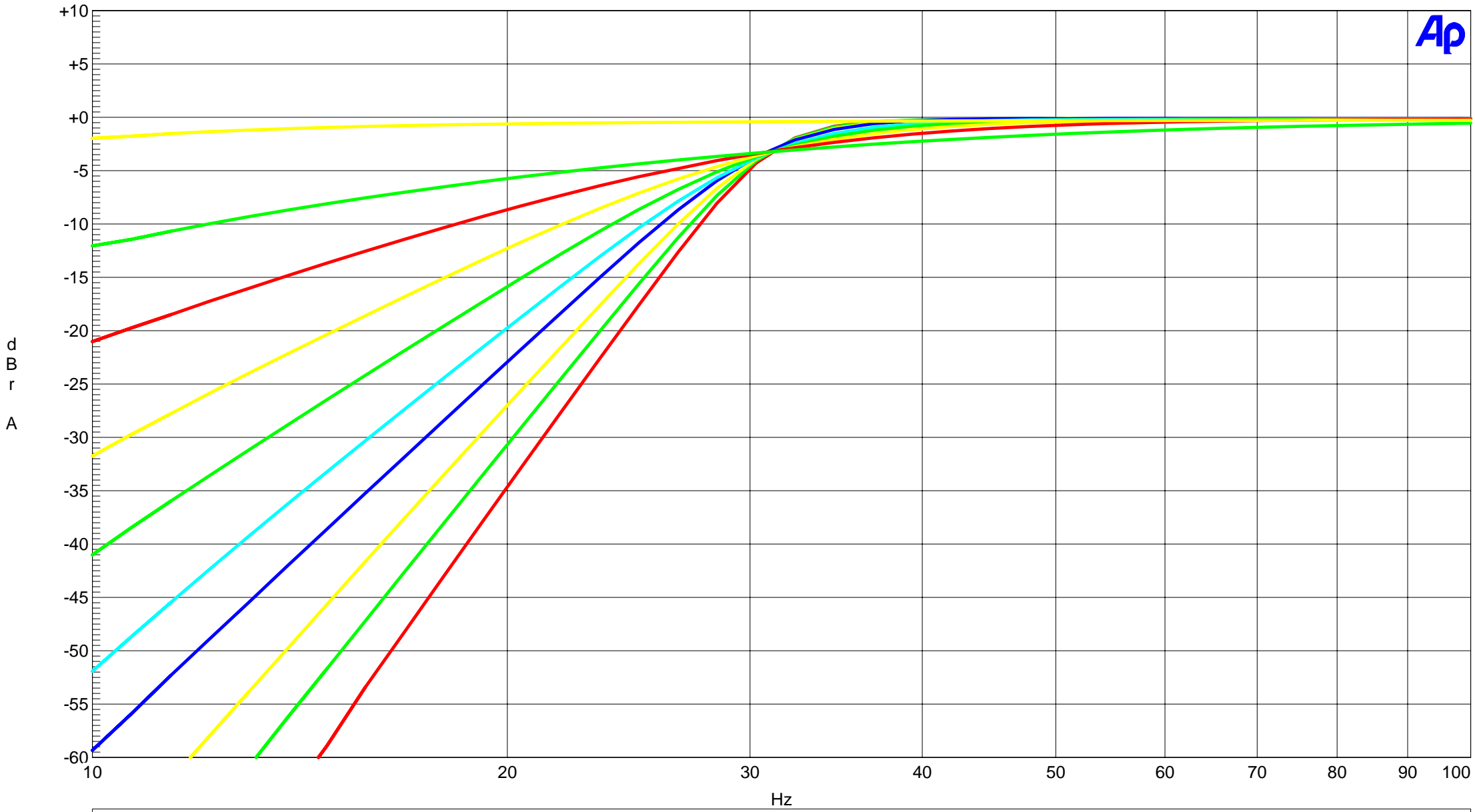
FREQUENCY SELECTION

Using "◀ ▶" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

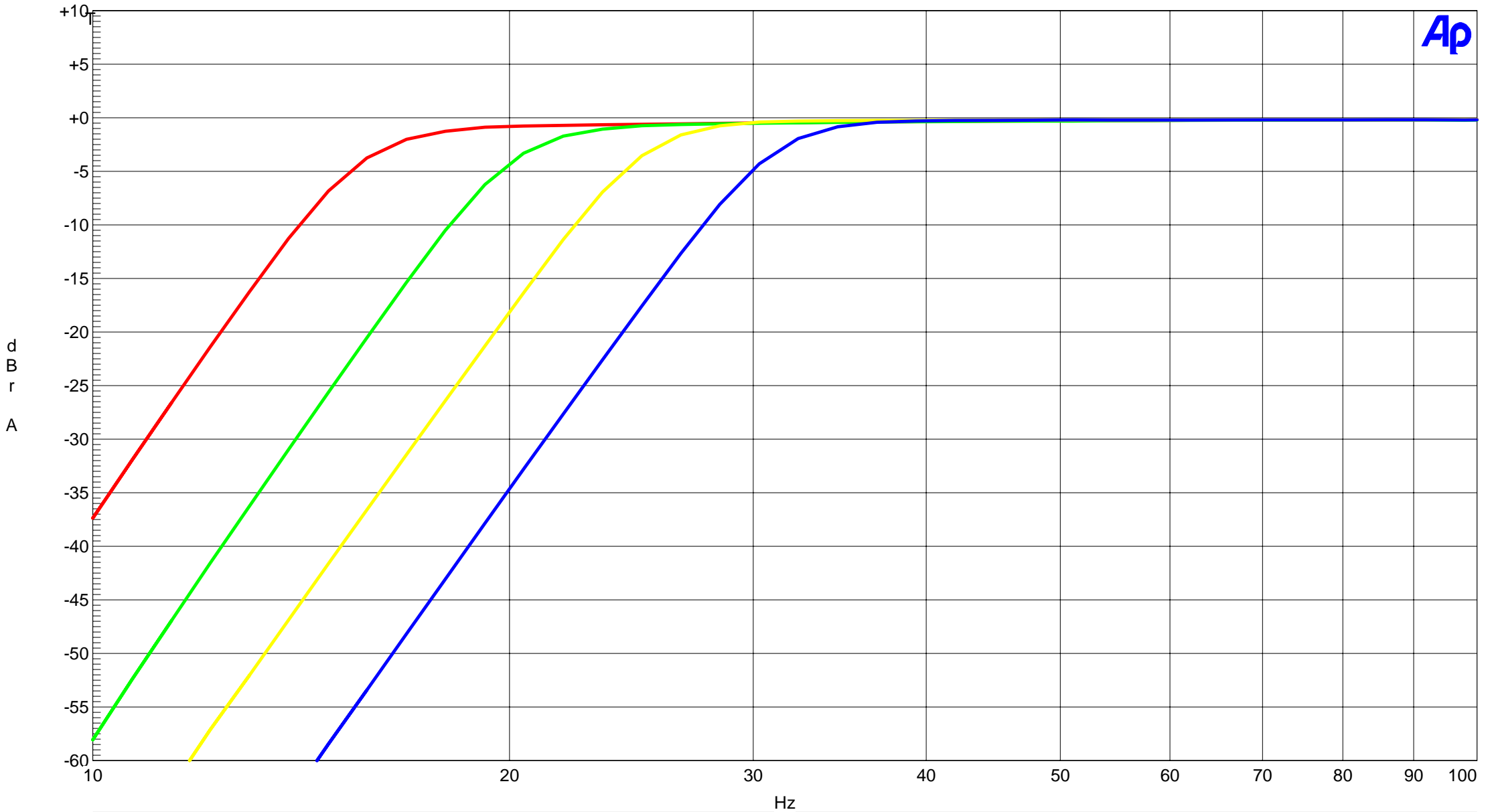
ATTACHED : AP TEST

1,SUBSONIC 31Hz FILTER.pdf

2,SUBSONIC CROSSOVER.pdf

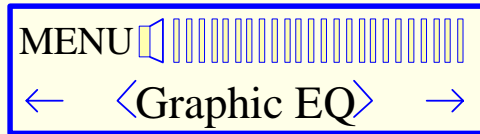


INPUT FRE:100Hz
OUTPUT:1W 100Hz=0dB
EQ=FLAT
SUBSONIC 31Hz FILTER:FLAT/6dB/12dB/18dB/24dB/30dB/36dB/42dB/48dB/54dB

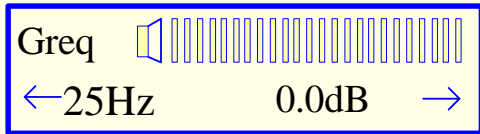


INPUT FRE:100Hz
OUTPUT:1W 100Hz=0dB
EQ=FLAT
HIGH PASS FILTER=54dB/oct
SUBSONIC CROSSOVER:16/20/25/31Hz

3,GRAPHIC EQ



Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier



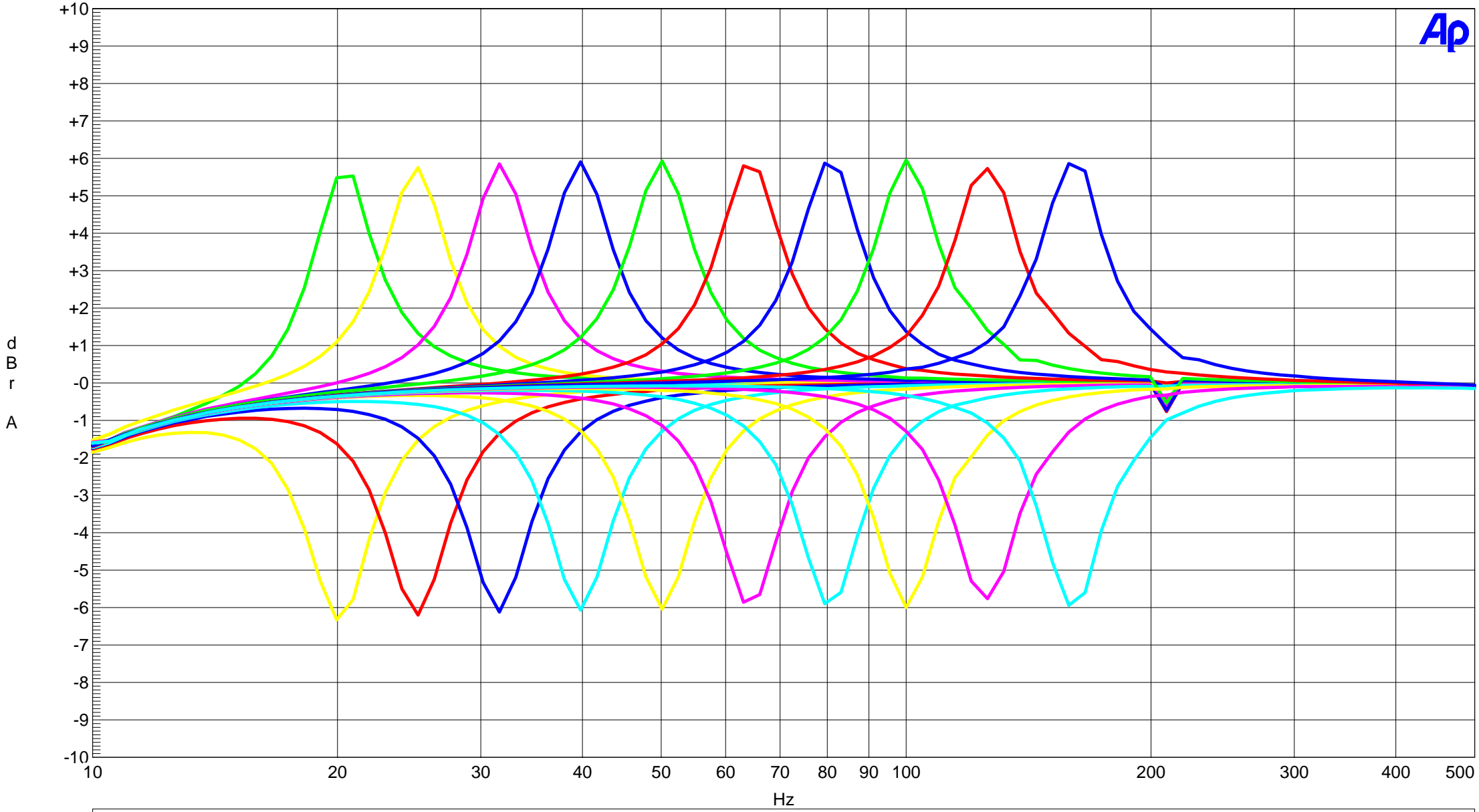
| | | | | | | | | | | | | | |
|-------|-------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 20Hz | 0.0dB | +0.5dB | +1.0dB | +1.5dB | +2.0dB | +2.5dB | +3.0dB | +3.5dB | +4.0dB | +4.5dB | +5.0dB | +5.5dB | +6.0dB |
| 25Hz | 0.0dB | -0.5dB | -1.0dB | -1.5dB | -2.0dB | -2.5dB | -3.0dB | -3.5dB | -4.0dB | -4.5dB | -5.0dB | -5.5dB | -6.0dB |
| 31Hz | FILTER SELECTION: Turning "Multi Adjust" knob in front of the amplifier | | | | | | | | | | | | |
| 40Hz | or using "▲▼" on the remote controller | | | | | | | | | | | | |
| 50Hz | | | | | | | | | | | | | |
| 63Hz | | | | | | | | | | | | | |
| 80Hz | | | | | | | | | | | | | |
| 100Hz | | | | | | | | | | | | | |
| 125Hz | | | | | | | | | | | | | |
| 160Hz | | | | | | | | | | | | | |

FREQUENCY SELECTION

Using "◀ ▶" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

Note:Preset function can not be adjusting!(movies/dynamic/ music/impact)

ATTACHED : AP TEST
Graphic EQ FRE.pdf



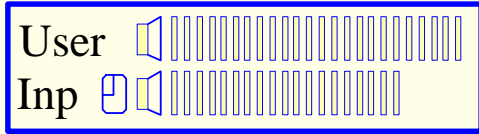
SUBSONIC & CROSSOVER FILTER AT FLAT
EQ:20/25/31/40/50/63/80/100/125/160HZ
BOOST:+/-6dB

4, Preset Function EQ

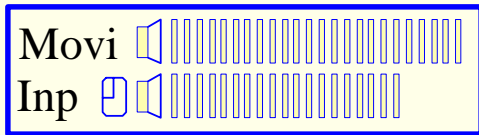
FUNCTIONS EQ CONTROL BY REMOTE CONTROLLER

1. MOVIES (Press the same key)

When the "MOVIES" mode is off, the display shown as below:



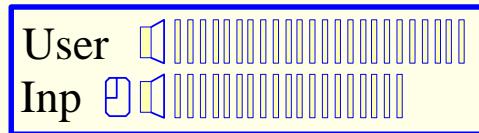
when the "MOVIES" mode is on, the display shown as below:



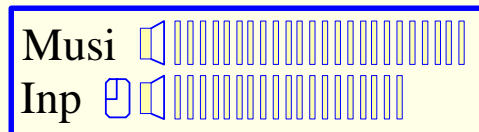
| Movies preset | 20Hz | 25Hz | 31Hz | 40Hz | 50Hz | 63Hz | 80Hz | 100Hz | 125Hz | 160Hz |
|---------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| EQ | +6.0dB | +6.0dB | +6.0dB | +6.0dB | +6.0dB | +4.0dB | +1.0dB | 0.0dB | 0.0dB | 0.0dB |

2. MUSIC (Press the same key)

When the "MUSIC" mode is off, the display shown as below:



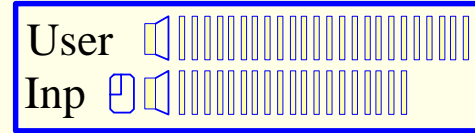
When the "MUSIC" mode is on, the display shown as below:



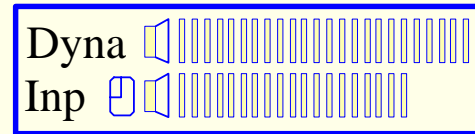
| Music preset | 20Hz | 25Hz | 31Hz | 40Hz | 50Hz | 63Hz | 80Hz | 100Hz | 125Hz | 160Hz |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| EQ | +6.0dB | +6.0dB | +2.5dB | +1.0dB | -0.5dB | -2.0dB | -5.5dB | -6.0dB | -6.0dB | -6.0dB |

3. DYNAMIC (Press the same key)

When the "DYNAMIC" mode is off, the display shown as below:



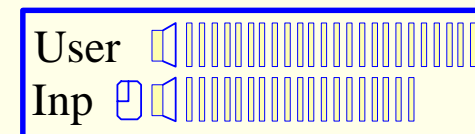
When the "DYNAMIC" mode is on, the display shown as below:



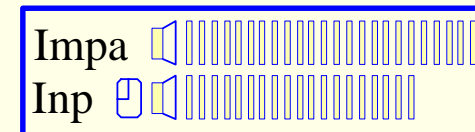
| Dynamic preset | 20Hz | 25Hz | 31Hz | 40Hz | 50Hz | 63Hz | 80Hz | 100Hz | 125Hz | 160Hz |
|----------------|-------|-------|--------|--------|-------|--------|--------|--------|--------|--------|
| EQ | 0.0dB | 0.0dB | +1.0dB | +2.0dB | 0.0dB | -3.0dB | -4.0dB | -6.0dB | -6.0dB | -6.0dB |

4. IMPACT (Press the same key)

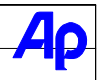
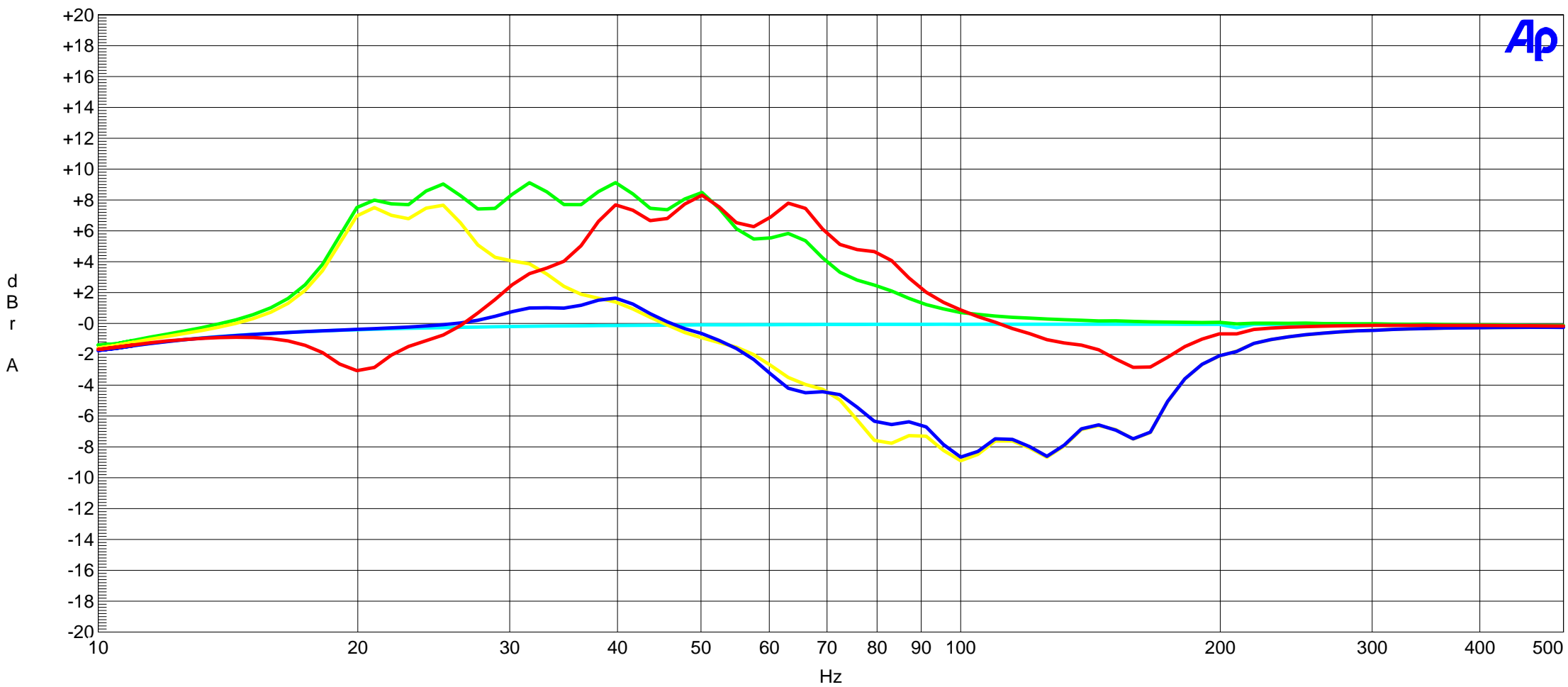
When the "IMPACT" mode is off, the display shown as below:



When the "IMPACT" mode is on, the display shown as below:



| Impact preset | 20Hz | 25Hz | 31Hz | 40Hz | 50Hz | 63Hz | 80Hz | 100Hz | 125Hz | 160Hz |
|---------------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| EQ | -3.0dB | -1.0dB | +2.0dB | +6.0dB | +6.0dB | +6.0dB | +3.0dB | 0.0dB | -1.0dB | -3.0dB |

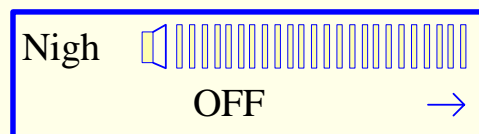


| Sweep | Trace | Color | Line Style | Thick | Data | Axis | Comment |
|-------|-------|--------|------------|-------|---------------|------|---------|
| 1 | 1 | Cyan | Solid | 30 | Anlr.Bandpass | Left | FLAT |
| 2 | 1 | Green | Solid | 30 | Anlr.Bandpass | Left | MOVIES |
| 3 | 1 | Yellow | Solid | 30 | Anlr.Bandpass | Left | MUSIC |
| 4 | 1 | Blue | Solid | 30 | Anlr.Bandpass | Left | DYNAMIC |
| 5 | 1 | Red | Solid | 30 | Anlr.Bandpass | Left | IMPACT |

INPUT FRE:100Hz
 OUTPUT:1W 100Hz=0dB
 SUBSONIC & CROSSOVER FILTER AT FLAT
 MODE: MOVIES/MUSIC/DYNAMIC/IMPACT

5, NIGHT MODE

1>



OFF → ON

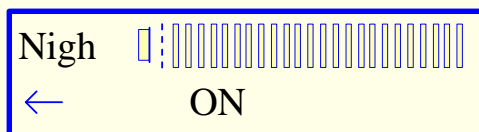
NIGHT MODE SELECTION: Turning "Multi Adjust" knob in front of the amplifier

or using "◀ ▶" on the remote controller

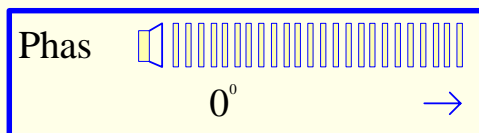
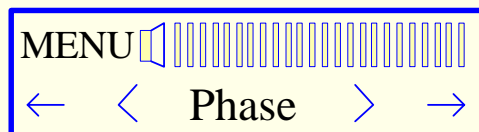
Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

2> By pressing "NIGHT MODE" on the remote controller to switch ON/OFF

When "Night Mode" is ON, the display shown as below: □ ∷



6, PHASE



0° → 90° → 180° → 270°



PHASE SELECTION: Turning "Multi Adjust" knob in front of the amplifier

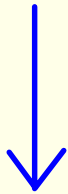
or using "◀ ▶" on the remote controller

Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

7,AUTO OFF TIME

MENU  
← <Auto Off > →

Time  
5minutes →



Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

5 minutes → 10 minutes → 15 minutes → 20minutes → 25 minutes

SELECT AUTO OFF TIME:

Using "◀ ▶" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

8,SAVE DATA

MENU  
← < Save Data >

Save  
Save OK




Press "ENTER" on the remote controller
or push "Multi Adjust" knob in front of the amplifier

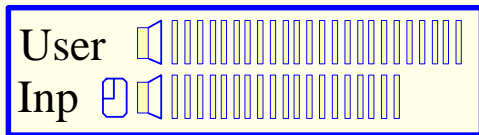
That is OK!

All the selected functions will be memorized


9,+12V DC TRIGGER

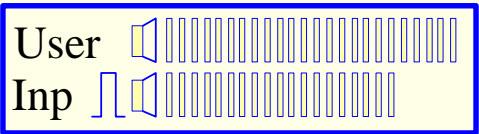
Using signal auto trigger

the display shown as below: 



Using +12v trigger

the display shown as below: 



OTHER FUNCTION ON REMOTE CONTROLLER

1." Red knob" 1>STANDBY ON/OFF

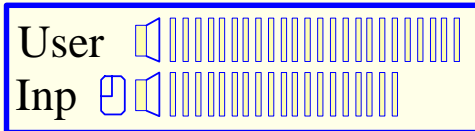
2>SAVE DATA

2.MUTE ON/OFF (Press the same key)

3.EXIT

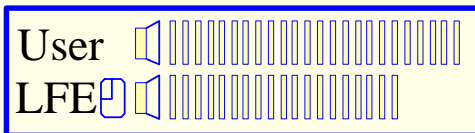
4.LFE ON/OFF (Press the same key)

when the "LFE" is off, the display shown as below:



A screenshot of a remote control display with a blue border. The top line shows the word "User" followed by a speaker icon and a full-length bar graph. The bottom line shows the word "Inp" followed by a speaker icon and a shorter bar graph.

when the "LFE" is on, the display shown as below:



A screenshot of a remote control display with a blue border. The top line shows the word "User" followed by a speaker icon and a full-length bar graph. The bottom line shows the word "LFE" followed by a speaker icon and a shorter bar graph.

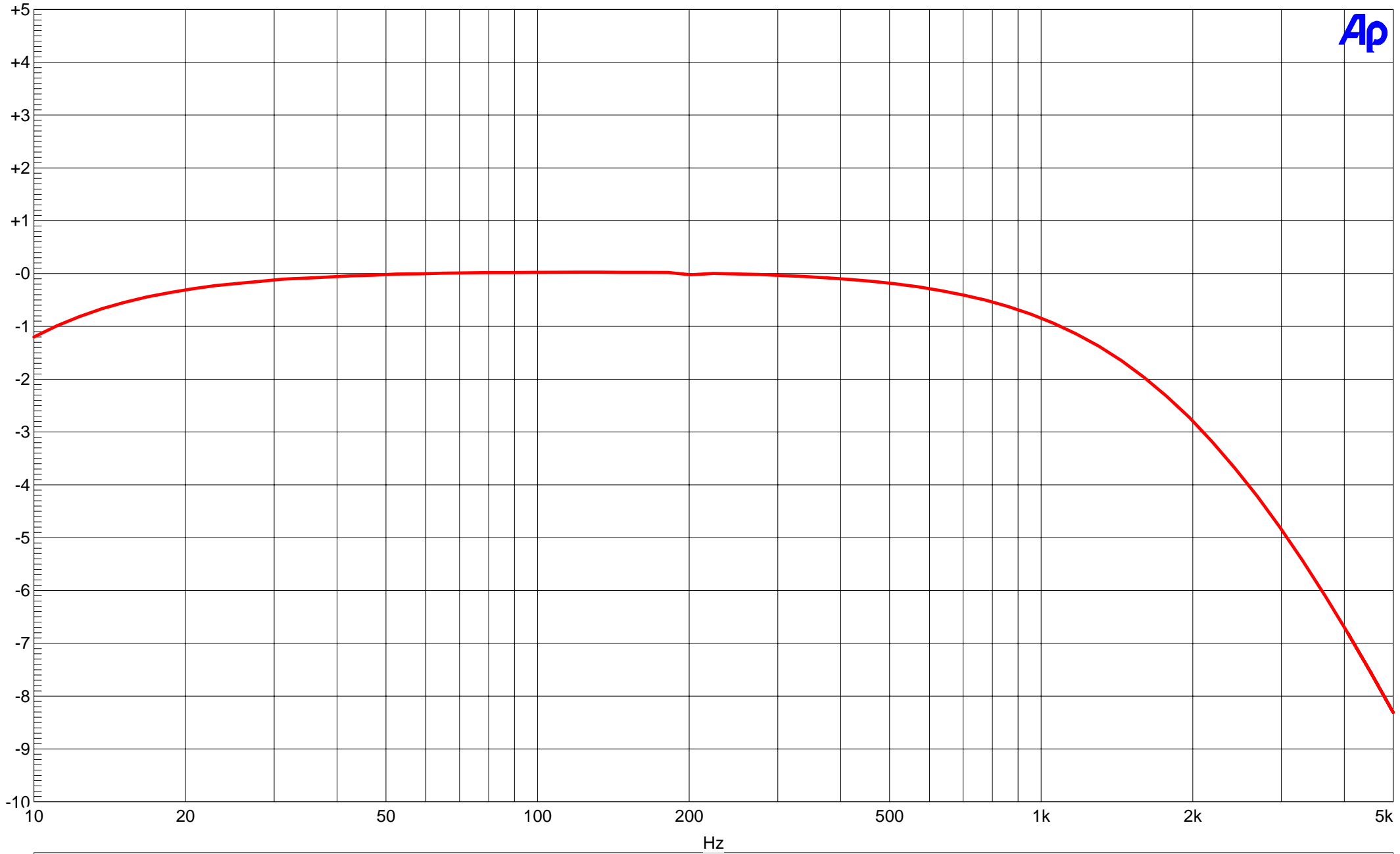
NOTE: Crossover will be no use when "LFE" is working.

ATTACHED : AP TEST

LFE(FLAT) FRE.pdf



d
B
r
A



INPUT FRE:100Hz
OUTPUT:1W 100Hz=0dB
SUBSONIC & CROSSOVER FILTER AT FLAT
EQ AT FLAT(0dB)

ORIGINAL "FACTORY SETTINGS"

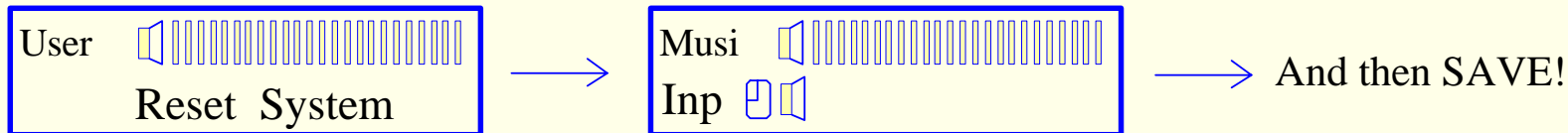
The DSP default menu (factory settings) setted up as follows:

| Default/ factory settings | | Default/ factory settings | |
|---------------------------|---------------------|---------------------------|-----------|
| EQ | Flat | Auto Off | 15Minutes |
| Crossover | 80Hz - 24dB/ Octave | Phase | 0 |
| Sub Sonic | 16Hz - FLAT | Function EQ | MUSIC |
| Night Mode | OFF | Volume | -30dB |

USER RESET SYSTEM

Pressing the "multi adjust" knob more than 5 seconds. All of subwoofer's controls will be returned to factory settings.

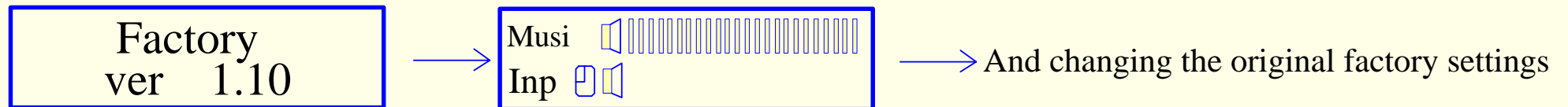
The display shown as below:



"FACTORY SETTINGS" MODIFICATION

Turning on "AC power switch" and pressing "Multi adjust" knob at the same time, the control system will be into "FACTORY SETTINGS" modification status

The display shown as below:



→ And then pressing "standby" (RED) knob on remote controller to save the new settings

Note, that is the only way to save !