

# Technical information Comfort Duett



## Comfort Duett features

- Digital Signal Processing
- Automatic Gain Control
- Omnidirectional Internal Microphone
- Frequency Range 100 - 10000 Hz
- Equipped with Built-In Telecoil to be used with the induction loop systems
- Induction Neckloop
- Three different Max. Gain Thresholds
- 10 steps volume control. 2dB/step
- Three different Tone presets
- Aux. In and External Microphone

## Power management

### Charger Unit

Type:	A17
Operating voltage:	100-240V AC/ 50-60Hz, 0.1A
Output voltage:	5V DC
Output Current:	600 mA

### Battery

Battery type:	2 X AAA Ni-MH batteries
Battery voltage:	1.2 V
Battery capacity:	850 mAh
Operating time:	20 hours
Charging time:	Approx. 3.5 hours

## General data and Standards

Dimensions:	L =3.7 x W =1.4 x H =0.7 inches
Weight:	0.1 lbs
Connections:	Aux/Mic In, Headphones and neckloop = 3.5 mm jack Charging = Micro USB
Safety:	IEC 60065, UL 60065
EMC:	EN 60601
Electroacoustics:	IEC 60118-0, IEC 60118-7:2005

## Acoustic characteristics

Standard earphones	Ear Simulator IEC 60118 & 60711
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### OSPL90:

Tone Preset mode:	Normal
At 2 KHz:	150 dB SPL
Peak at 1.6, 2 & 6 KHz:	150 dB SPL

### Full-on Gain 50:

Tone Preset Mode:	Normal
At 2 KHz:	59 dB
HFA FOG 50:	52 dB
Peak at 6 KHz:	63 dB

### Frequency range:

Tone Preset mode:	Normal
Low frequency limit:	120 Hz
High frequency limit:	10000 Hz

### Total Harmonic

#### Distorsion:

500 Hz:	1%
800 Hz:	3%
1600 Hz:	4%

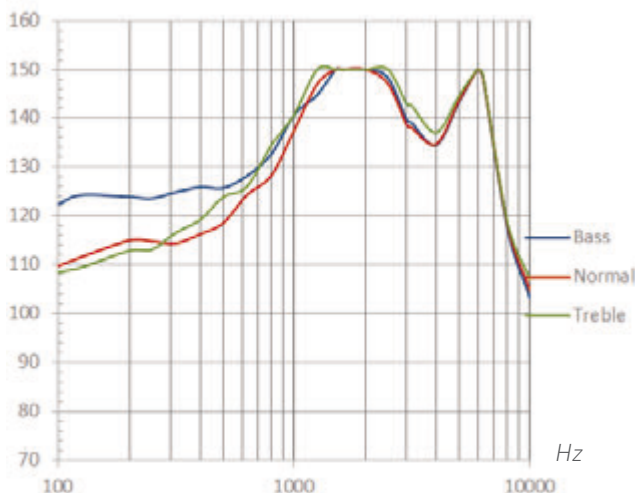
Equivalent Input Noise: 26 dB

### AGC:

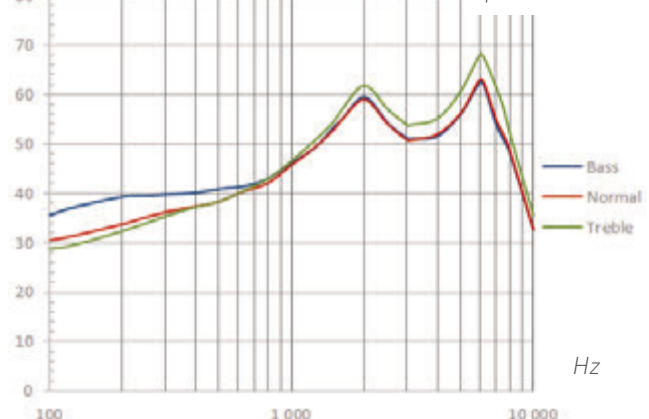
Attack time:	100 ms
Release time:	< 2 ms

## Acoustic characteristics

dB SPL *Full-On-Gain  
Input = 90 dB SPL*

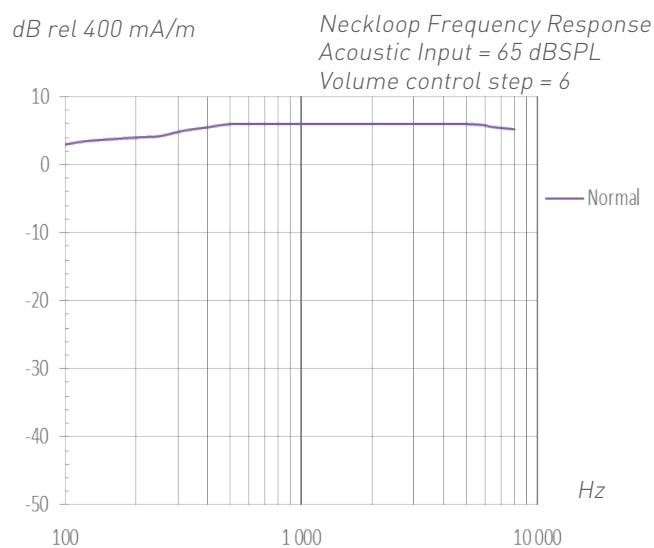
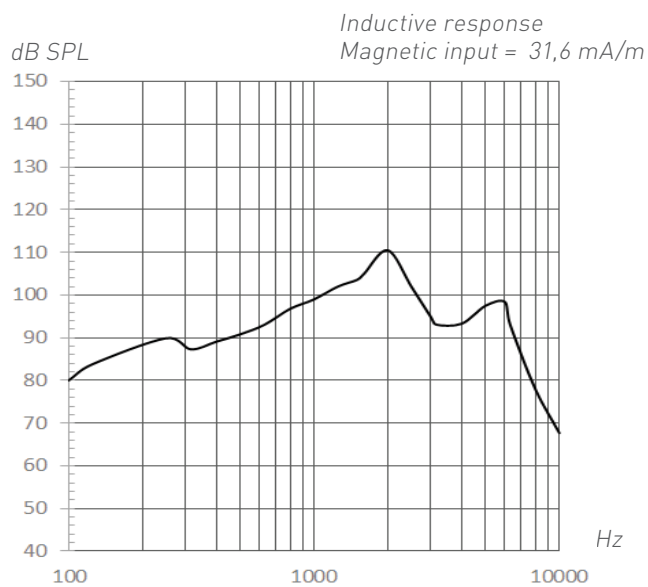


dB SPL *Full-On-Gain  
Input = 50dB SPL*

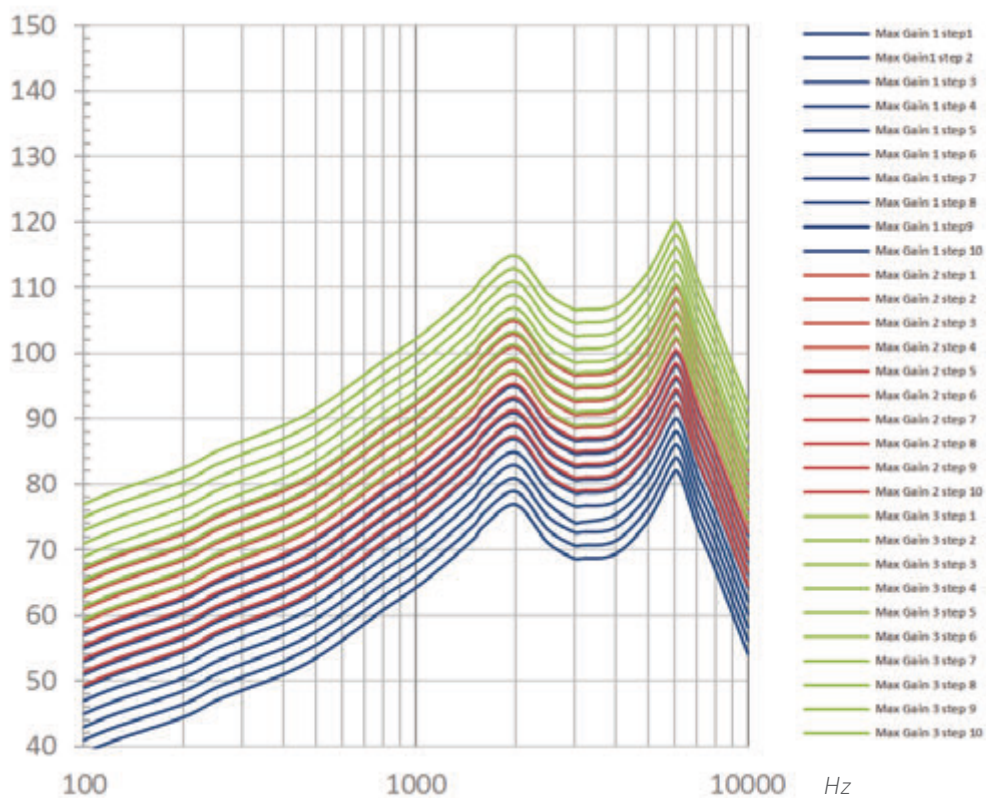


**Comfort Audio**  
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# Acoustic characteristics



*Output sound pressure level  
of each volume control step  
Input = 60 dB SPL*



TD Comfort Duett USA 130110