

DANIEL FLETCHER

Acoustic Product Technology Consultant

A lifetime spent in music, electronics and computing technology, driven by audio experience and making new things.

"I am passionate about making beautiful products that produce beautiful sound."

- 11 years working with manufacturers in China.
- Product development management experience covering all areas of hardware and software for audio products.
- Expert in electroacoustic design, DSP and fine tuning by measurement and ear.
- Airsound (point source stereo) specialist.

2020 PORTFOLIO

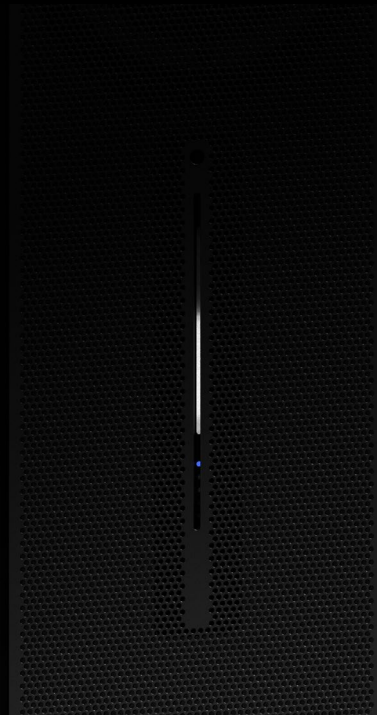
Air D1

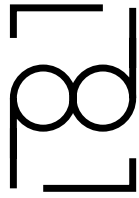
2011-2020



A relentless quest to create the purest audio experience to date. The Air D1 showcases Airsound and unique analogue transconductance amplifiers that virtually eliminate harmonic distortion by using feedback from the drivers' motions.

- Project Lead
- Acoustic Design
- DSP Design
- UI Design
- ID Manager
- Acoustic Tuning & Bug-fixing



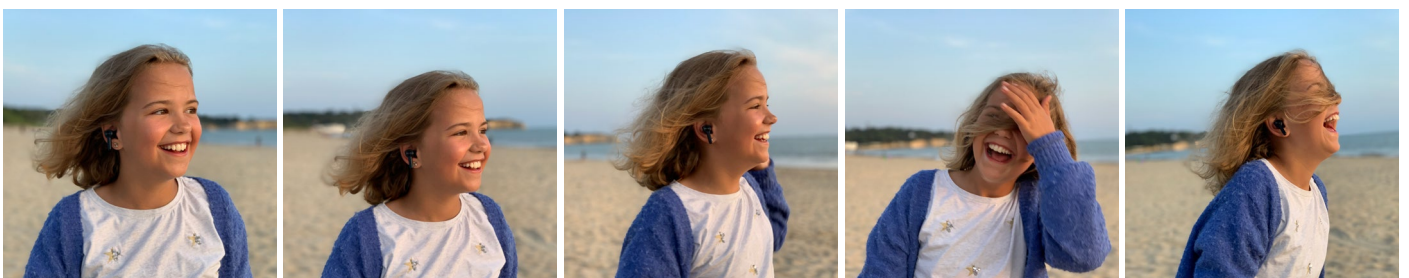


pro dynamics

G10 TWS Earphones

2019-2020

Sourcing project including manufacturer selection, evaluation of samples, design recommendations and audio tuning using on-board Bluetooth DSP.



Real world testing can provide insights to help make good product decisions. My daughter is pictured here with the G10s on holiday.

Media in 2019



10 coolest things of the week

Orbitsound Air D1

When you think of one-box speakers the Sonos Play:5 and Naim's Mu-so Qb come to mind. You know, devices that can sit on a coffee table or in the corner of your kitchen. Enter Orbitsound's gargantuan Air D1, which is not about that life whatsoever. A one-box affair for proud audiophiles, it promises glorious sound – that's comparable to even a pair of stereo speakers – in a device that's the size of a small bookshelf. Like any speaker worth its salt, it supports music playback via Apple's Airplay, Bluetooth, Spotify Connect and, of course, analogue connections. Want one? You can get it exclusively from Harrods.

Air D1 truly stands alone

Orbitsound's latest loudspeaker, Air D1, uses the British manufacturer's Airsound technology to deliver stereo sound with a single standalone speaker. Designed by the company's founder, audio engineer Ted Fletcher, who has worked with music legends including Dire Straits and The Who, Air D1 delivers exactly the same sound to listeners regardless of where they are in a room. £12,000, harrods.com

this star

The Marine Mega Yacht was unveiled in Miami earlier this year. Featuring a 44 million-platinum case, the watch will be limited to 50 units, each priced at £40,000. More interesting from a technical point of view, however, is the impressively intricate and mechanically complex Marine Mega Yacht watch (above). Following the Grand Deck Tourbillon, the Marine Mega Yacht was unveiled in Miami earlier this year. Featuring a 44 million-platinum case, the watch will be limited to 50 units, each priced at £40,000. Nautical nods abound, with the flying tourbillon cage in the shape of a modern-day propeller and the three-dimensional, fixed enamel dial taking the form of a ship's bow. There's also an exquisite representation of the moon at the nine o'clock position (which revolves in real time) and a mechanism that displays the heights of tides using a Chubb's telegraph-style indicator. Perhaps the niftiest feature of the 300-part Marine Mega Yacht, however, is its patented power reserve indicator. Positioned at 11 o'clock, it is styled as an anchor that moves up and down on a tiny chain connected to a fully operational miniature windmill. What more could a yacht owner ask for? [slype-nardin.com](#)

Air D1 truly stands alone

Orbitsound's latest loudspeaker, Air D1, uses the British manufacturer's Airsound technology to deliver stereo sound with a single standalone speaker. Designed by the company's founder, audio engineer Ted Fletcher, who has worked with music legends including Dire Straits and The Who, Air D1 delivers exactly the same sound to listeners regardless of where they are in a room. £12,000, harrods.com

T3 AWARDS 2019
SMARTER LIVING
The world's greatest tech in 68 categories. Meet the best of the best

GADGET OF THE YEAR
Why the Apple Watch Series 4 has changed the tech world forever

THE BEST...
4K TV • SMARTWATCH • PHONE CAMERA • TRUE WIRELESS HEADPHONES • SMART SECURITY • EBIKE • A SHOWER • MULTI-ROOM SPEAKERS

SHOWSTOPPER
Gadgets that showcase the very best that design and technology have to offer

CUTTING-EDGE SOUND
To provide the truest, clearest possible audio, the gorgeous Air D1 uses 'transconductance', whereby the amp constantly monitors the loudspeaker's behaviour, correcting its own output accordingly for 'phenomenally low distortion'

ORBITSOUND AIR D1

It's rare that we find a product that fully encapsulates true style and incredible sound, so when we do, we get excited. Allow us, then, to break out the bunting for the Orbitsound Air D1. Described as 'the world's only one-box luxury loudspeaker', this sumptuous floor-standing active speaker has been designed by renowned audio engineer Ted Fletcher (a music world luminary who has worked with Dusty Springfield, Dire Straits and The Who) and son Daniel. Orbitsound's own Airsound technology (first developed in 2005) has been polished and perfected to deliver audiophile performance with a compelling stereo image, meaning you'll hear the same tonal and spatial presentation wherever you're sitting in the room. You can stream music wirelessly, connecting your device to the Air D1 via either Bluetooth or Wi-Fi, and take advantage of one optical, one Ethernet and three aux inputs. The Air D1 is available exclusively from Harrods for an initial launch period.

- Technology Presentation

I promote the technologies I work with. This presentation in 2019 resulted in the coverage shown and more, including:

WHAT HI-FI? →

techradar →

Trusted Reviews →



Dock E30



**EUROPEAN
PRODUCT
DESIGN
AWARD™**

Best.

**Best Design Awards
Winner 2018**

2015-2019

An acoustically superb all-in-one speaker. Airsound acoustics, WiFi, Bluetooth, AUX and Optical inputs. Optional wireless subwoofer and integrated wireless charging.

- Project Lead
- Product Concept
- Acoustic Design
- DSP Design & Tuning
- UI Design



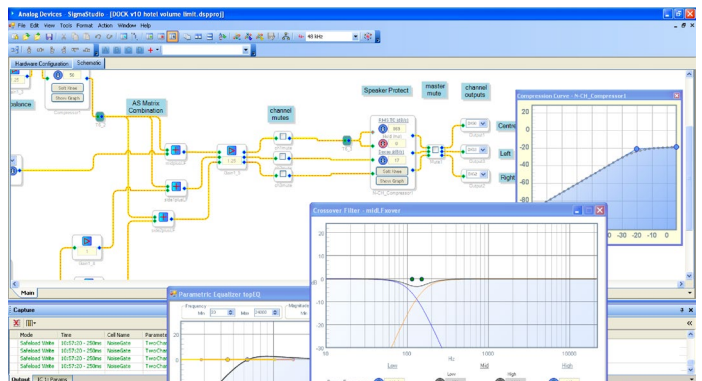
Working in China on UI / Bluetooth bugtracing



Production line process design in China



Mark Knopfler band interviews talking about the Dock E30 (Dropbox link) [\[video\]](#)



DSP design using SigmaStudio (ST Microelectronics)

Products

**Dates show development process duration*



2015-2017 - ONE P70w

The first product I designed & managed that included WiFi. Features an integrated subwoofer and unique internal audio design. Currently on sale.

2012-2015 - A70 Soundbar
A project that incorporated industrial design from the USA and my acoustic platform. I was responsible for the acoustics, tuning, tooling and manufacture readyment process. Currently on sale.



2011-2014 - SPACED360

Completely bespoke including unique driver design. My input was concepting, acoustic design, tuning, patenting and UI. Manufacturing partner based in Belgium / China.

2011-2012 - M Series
Updating the T series of soundbars, this project was the first time I worked with wireless technologies. Bluetooth audio input, and a custom designed STS wireless subwoofer link allowed this feature uplift.



2009-2011 - Soundbase SB60

With my unique acoustic design, the SB60 produced incredible bass power for a single compact unit. Basic feature set for TV sound reinforcement.

2008-2009 - T Series
My first project working with manufacturers in China, sourcing included a tour and manufacturer selection process.

