

JVC



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NL

EXOFIELD - XP-EXT1

JVC's Persoonlijke Home Theater Systeem levert een individueel op maat gemaakte Multi-Channel geluidservaring via een hoofdtelefoon.

Door de exclusieve EXOFIELD 'out of head' geluidstechnologie, zal de gebruiker van de hoofdtelefoon een meeslepend 7.1.4 kanaals geluid ervaren.

De JVC XP-EXT1 hoofdtelefoon maakt gebruik van JVC's gepatenteerde EXOFIELD 'out-of-head' geluidstechnologie, die gebruikers in staat stelt om het volledige effect van een meerkanaals geluidsbron, zoals Dolby Atmos en DTS:X, te ervaren. Bovendien wordt het geluid voor iedere gebruiker en luister omgeving geoptimaliseerd, om zo de meest realistische en meeslepende ervaring te creëren. De XP-EXT1 bestaat uit twee componenten – de hoofdtelefoon en een digitale processor – begeleid door een mobiele app. Door gebruik te maken van microfoons, die ingebouwd zijn in de hoofdtelefoon, en een speciaal ontwikkelde smartphone app, kunnen gebruikers de akoestiek van de omgeving, de speakers en de oren en het gezicht van de gebruiker, meten.

De XP-EXT1 wordt beschikbaar in mei voor € 1.000,-

FR

EXOFIELD - XP-EXT1

JVC présente EXOFIELD: un casque dédié Home Cinéma avec un incroyable son multi-canal sur mesure via un casque audio.

Grâce à sa technologie exclusive EXOFIELD de traitement du champ sonore, JVC offre un son multicanal 7.1.4 ultra immersif avec un casque audio

Le XPEXT1 utilise EXOFIELD, une technologie exclusive JVC s'appuyant sur le traitement du champ sonore, pour permettre aux utilisateurs du casque de profiter pleinement des sources sonores multicanales, y compris de Dolby Atmos et le DTS:X. De plus le champ sonore est optimisé pour chaque auditeur et chaque environnement d'écoute afin d'assurer une expérience la plus réaliste et la plus immersive possible. Le XP-EXT1 est composé de deux éléments : un casque audio et un processeur numérique dédié, ainsi qu'une application smartphone gratuite. En utilisant les microphones intégrés au casque et liés à l'application smartphone, les utilisateurs peuvent mesurer les caractéristiques acoustiques de la pièce d'écoute, des enceintes, ainsi que des oreilles et du visage de l'auditeur. Ces mesures sont comparées à une base de données de mesures acoustiques, et un algorithme de correspondance est sélectionné pour fournir une expérience d'écoute adapté à l'environnement d'écoute de chaque individu.

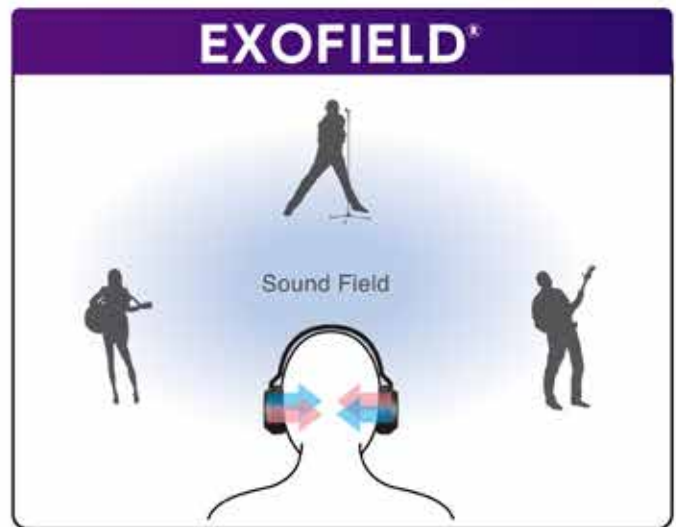
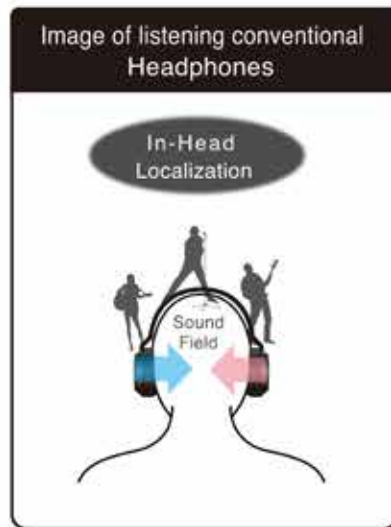
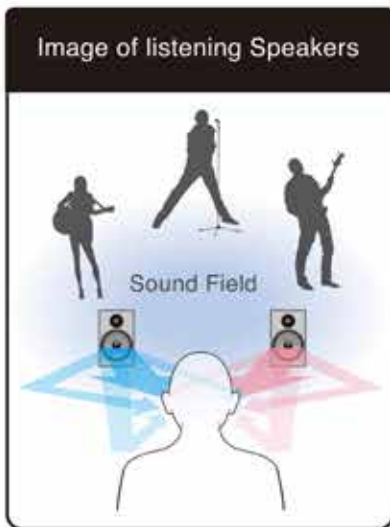
Le XP-EXT1 sera disponible en mai pour un prix de vente conseillé de € 1.000,-



Overview of EXOFIELD®

JVCKENWOOD's newly developed "EXOFIELD®" realizes natural stereo sound through headphones.

EXOFIELD: A term coined by combining EXO (external) and FIELD to express the expansion of user's sound experience to a whole new level through reproduction of an unprecedentedly natural sound field.



MULTICHANNEL PLAYBACK

EXOFIELD became capable of carrying out a precise multichannel playback due to advance in technology.



Conceptual diagram of sound field localization via **speakers**



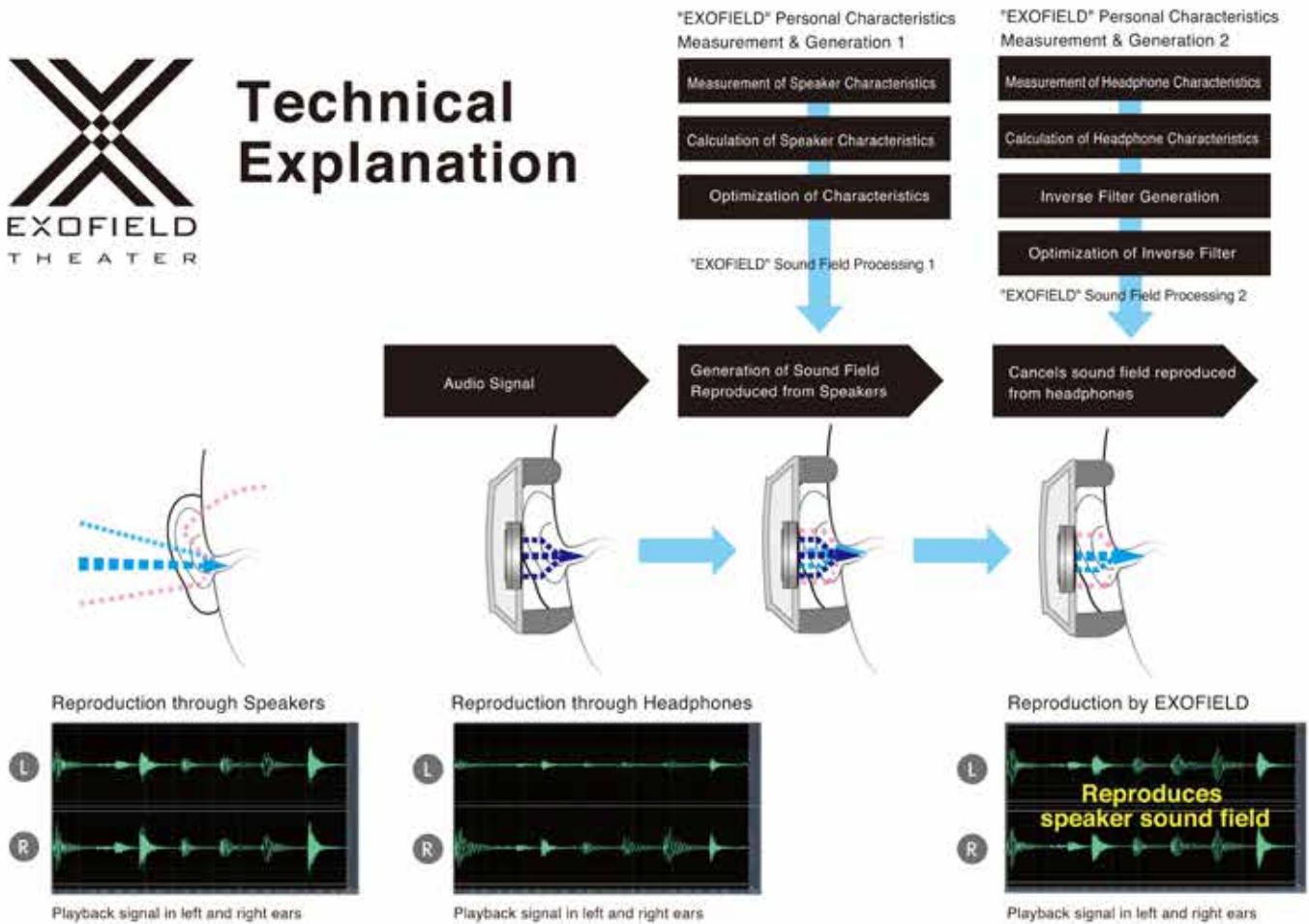
Conceptual diagram of sound field localization via **conventional headphones**



Conceptual diagram of sound field localization using **EXOFIELD**



Technical Explanation



Extracts and generates personal characteristics

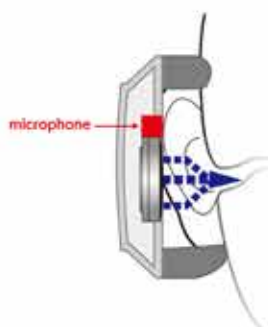
Besides measuring all characteristics related to individuals, listening rooms and playback devices to reproduce the optimal sound field with the EXOFIELD technology, we have also developed a method to reproduce personal characteristics with simple measurements. This is done by creating a database for the vast amount of measurement data on the "speaker characteristics" and "headphone characteristics", which are the key components of personal characteristics, thus enabling characteristics that are extremely close to an individual to be extracted and generated through a simple measuring process. Unlike conventional methods that require both the listening room and playback device to be fully equipped for measurement to be performed, users can enjoy EXOFIELD's out-of-head localization sound field anywhere as personal characteristics are measured using the built-in microphone system in the headphones.

Conventional Method of Measurement



Advantage Supports full customization according to individual characteristics

Disadvantage Requires both a listening room and playback device for measurement



Advantage

Only requires measurement of speaker characteristics
Listening room and playback device are not needed

Database of Personal Characteristics

Extracts and generates characteristics from the database that are extremely close to those of an individual based on the measurement data of the headphones



Model Name

XP-EXT1

User Benefit

Thanks to original EXOFIELD technology, you can enjoy full-scale multichannel surround audio with Headphones unit anytime by connecting to TV/Projector/BD player.

Main Feature

1. "EXOFIELD" Out of head localization sound field processing technology realizes natural stereo sound through headphones (up to 7.1.4ch for Dolby Atmos®) .
2. Apply "Self & Simple Measurement " by newly developed headphones unit with built-in microphone and smartphone APP.
3. Dolby Atmos®/DTS:X®/AAC compatible.



WIRELESS HEADPHONES

WIRELESS TRANSMITTER /
SIGNAL PROCESSOR



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How to enjoy EXOFIELD ①

Personal Optimization by EXOFIELD matching APP

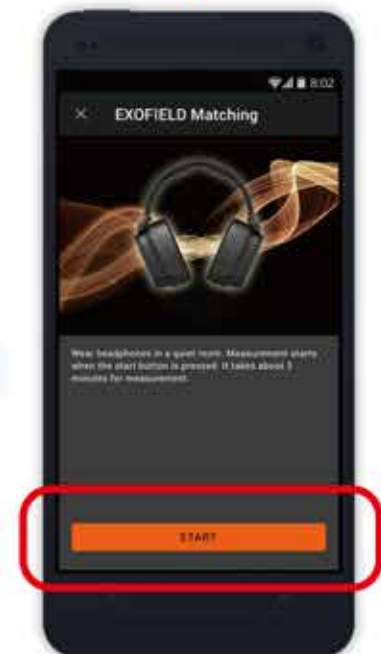
① Wear the headphones



② Tap "START MATCHING"



④ Completed



③ Tap "START"




How to enjoy EXOFIELD ②

Equipment operation

Press "play" on remote controller



Press  button and experience EXOFIELD effects.



LED ON EXOFIELD ON

LED OFF EXOFIELD OFF (Sound of Conventional headphones)



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