

FROM POLYGLASS

Exceptional Sound Reproduction—and even Kick-Arse Bass

Since the foundation of the brand, Focal has designed and developed quality car audio products at affordable prices—this remains the case with its comprehensive Polyglass range of front and rear speaker systems and subwoofers, featuring nearly thirty different models/systems.

Focal's latest offering, Utopia Be, is at the pinnacle of car audio entertainment.

Innovative. Radical, some would say. Exclusive, definitely—it won't be suitable for everyone's pocket. The Utopia Be range is all of these things, and because of this no-constraint approach to its design and development Utopia Be reproduces the highest quality sound. The tweeter incorporates a pure Beryllium inverted dome, a genuine world first that pushes the envelope of musical sound reproduction. Using this material, which costs 100 times as much as gold, has enabled Focal to extend the bandwidth resulting in the ability to reproduce even the tiniest detail. Additionally, by lowering the resonant frequency to 1kHz, an optimal coupling is made between the tweeter and mid-range, resulting in a sound stage of incomparable width and precision.

The design of the composite sandwich 'W' cones, for the mid-range and subwoofers, ensures rigidity,

lightness of weight and effective damping resulting in a neutral and realistic sound. What's more, the Utopia Be range of incAR loudspeakers is versatile and all models can be incorporated in to even the most complex of installations.

Kit 6/No 6 Active

Two-way 165mm (6.5 inch) kit, separate crossover (passive version), grilles included.

Kit 7/No 7 Active

Three-way 165mm (6.5 inch) kit, 80mm (3 inch) midrange driver*, Crossblock separate crossover (passive version), grilles included.

** The 80mm mid-range driver is capable of playing 150Hz and up. This means there are no crossover points in the human voice, resulting in distortion-free vocals.*

Utopia Be 21 WX 210mm (8 inch) subwoofer with Multiferrite magnet—relatively small in size, but huge on performance. Cabin gain adds even more. Fast, tight, accurate and most of all deep, at around \$1000 the 21 WX is not cheap, but real performance never is.

Utopia Be 13 WS 130mm (5 inch) subwoofer developed for front of vehicle positioning—22mm high linearity voice coil with Neodymium magnet.

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TO UTOPIA BE



The defining standard in INCAR entertainment

165KBE Bass Extension Kit

\$649 RRP

Application

The 165KBE Bass Extension Kit used in conjunction with 100KP and 130KP is a good solution for many European cars which have small front speakers, or for customers chasing the best sound quality. Four and five inch drivers reproduce vocals and stringed instruments more accurately than six inch drivers, and the bass extension kit provides the mid-bass that the smaller drivers can't reproduce.

Location for the bass drivers:

You can install the bass drivers in the front door if you have room to do so. Some cars have a factory three-way system which gives you room to mount the 6", 4" and tweeters in the front doors. Alternatively, you can fit the bass drivers in the back doors or parcel shelf.

Consider doing build-outs on the A pillars for the tweeters. Aim the tweeters across the car at the headrest of the opposite

seat, to give optimum imaging and staging. This will involve about four hours extra work but the results are well worth the time and effort, the finishing touch to an excellent system. Every good system that leaves your shop is an advertisement for your business, and sets your store above the discount chains. They just can't do this kind of work. Word spreads, and word-of-mouth is your best advertising.

Amplification:

the best solution is a four-channel amp. Feed full-range speaker output into both the 100KP crossovers and the 165KBE crossovers. This will result in some overlap in mid-bass, which adds 'warmth' to the sound of the system. The 100KP will play from 100Hz and up, the 165KBE play from 45Hz to 300 Hz.

You may also use a two-channel amp, we recommend a minimum of 100 watts RMS. Run the speaker wires into the 165KBE crossovers, then extend from the output of the KBE crossovers to the inputs of the 100KP crossovers. The KBE will play 45 Hz to 300 Hz and the 100KP will play all



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