



lite



Oehlbach® Falcon HD

Video and audio transmission without tangled cables

Recommended by lite-magazin.de 02/2016

Picture quality: 100%

Practice: 95%

Configuration: 95%

Overall score: Recommendation

Price/performance: very good



Long HDMI cable connections are now a thing of the past. Oehlbach guarantees loss-free, wireless signal transfer in full HD and 3D. Transmission up to a distance of 30 metres is said to be guaranteed with a clear field of view. In this test, we examine the Falcon HD Wireless HDMI Transmitter and tell you what uses it is particularly suitable for.

STYLING AND FINISH

The Falcon HD Wireless HDMI Transmitter from Oehlbach is available in a timeless design and with a black finish. In the main, the set consists of a transmitter and a receiver. The two small compact devices measure just 8.5 cm square and are only 27 mm high, meaning that they are hardly bigger than a pack of cigarettes. This makes them ideal for virtually invisible positioning behind displays, a home cinema system or other source equipment. The matt black plastic housing is also sturdy with a very neat finish. There is no shaking or wobbling. All of the connecting cables are firmly seated in their sockets. This creates all the conditions for guaranteeing consistent disturbance-free signal transmission. And the best thing is: There's no more need to lay long, unsightly cables prone to interference across your comfortably furnished living room!

EQUIPMENT AND TECHNOLOGY

Fortunately, the Falcon HD Wireless HDMI Set just introduced onto the market also includes all the connecting cables in addition to the necessary modules. Great, so we can get started right out of the box. The package includes the Falcon HD Transmitter, the Falcon HD Receiver, two HDMI cables, two power adapters as well as one infrared transmitter and one infrared receiver with 2.5 mm jack plugs to also enable reliable transmission of the IR signals from the respective remote controls. We found the user manual to be very helpful with a lot of detailed installation instructions. Video signals are transferred with a resolution of up to 1920 x 1080 pixels and even the transmission of 3D video signals is supported according to the manufacturer. Equally important: Audio signals are transmitted up to DTS-HD-5.1 and Dolby True HD mixdown. According to Oehlbach, the latency period is less than 0.5 seconds. Wow! This is made possible by the AR9374 WiFi chip from Qualcomm used here, which is the first choice for the Oehlbach products referred to with high demands in terms of data throughput, range and operating stability with wireless data transmission. Signals are transmitted via dual band wi-fi 802.11n at up to 300 Mbit/s. In brief: All films on DVD, Blu-ray, Netflix, DVB-T, YouTube, Amazon Prime as well as your high-resolution photographs and presentations are transmitted and received at the other end reliably and without interference.

INSTALLATION AND OPERATION

The Falcon HD Wireless HDMI Set provided to us for testing is easy and quick to install, even for non-techies. This is not an empty promise because installation definitely can be completed in a few minutes. While the transmitter is connected to the appropriate source (e.g. to an AV receiver, Blu-ray player or a SAT box) via HDMI cable, the receiver is simply connected to the image display device (e.g. a projector or TV set). We find the „HDMI out“ port on the transmitter unit of the Falcon HD particularly practical. This enables video signals to be transmitted to a second receiving device via HDMI cable.

In this way, video content can, for example, be transmitted to the projector in wireless mode and, at the same time, to a TV set using an HDMI cable. The wireless wi-fi signal connection from the transmitter to the receiver is then established immediately. All you have to do is press the „Pairing“ button on the transmitter unit. Once pressed, the transmitter and receiver synchronise and the video signal appears in the display without any interference.

FALCON HD IN USE

The Oehlbach Falcon HD Wireless HDMI transmitter establishes an uninterrupted signal connection between the transmitter and our JVC projector from the very first moment. The wireless video transmission reaches our test room without any interference, even after passing through two masonry walls and crossing a small corridor. Bravo! Videos on YouTube, streams from Netflix and our test images are reproduced consistently and perfectly - just like transmission directly via HDMI. Operating the Blu-ray player using the remote control belonging to the BD player even works - provided the IR transmitter and receiver have „visual contact“. It is unfortunately not possible to operate the playback device if this is in the next room.

Given the long range of the wireless video and audio signal transmission, the possibilities for use are numerous: For example, the video signal can be transmitted directly in wireless mode from the SAT box in the living room to the basement or attic if that is where the home cinema is located. Alternatively, audio and video can also be transmitted to the garden in summer, meaning that there is literally nothing more standing in the way of a private public viewing event for the European Football Championships. Here again, there is no need to lay long cables over the patio for people to trip over. Lecturers and agencies who regularly give lectures and presentations can also benefit from the Oehlbach Falcon HD Wireless HDMI Transmitter. Here again, there is no longer any need to lay long HDMI cables prone to interference from the source to the image display device. The projector or the TV display is simply connected to the receiver and the lecturer can then use his or her own HDMI-enabled playback device as the source. The owners of stylishly furnished living rooms also ultimately benefit from this flexibility and the long transmission range. Unsightly HDMI cables on the ceiling or along the walls can now be completely done away with. Films in full HD resolution are faithfully reproduced in 2D and 3D. Interferences that can occur with long HDMI cables are also a thing of the past thanks to the Falcon HD Wireless HDMI Transmitter .

CONCLUSION

With its Falcon HD Wireless HDMI Transmitter, the cable and accessory specialist, Oehlbach, offers a reliable setup for the interference-free transmission of films, photos and presentations in full HD resolution over relatively long distances in wireless mode. Video signals are even transmitted through masonry walls in a faithful and error-free manner. This means long and unsightly cable connections can be done away with. There is literally nothing more standing in the way of elaborate presentations at trade fairs, the simultaneous reproduction of SAT signals in the living room and the basement cinema or occasional public viewing events in the garden at home.