PRODUCTS FOR WORLDWIDE RADIO RECEPTION
January 2020

International radio broadcasts and professional digital data transmissions on shortwave

*up-to-date data for Kiwi-SDRs • Web-SDRs*

Klingenfuss has the leading

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- Databases and CDs
- Code books
- Signal sound CDs
- Frequency list for Perseus SDR
- Screenshots on USB stick
- Internet webpages

Klingenfuss Publications
Klingenfuss Radio Monitoring
How to order

Full-size sample pages and colour screen-shots of all products can be found on www.klingenfuss.org. What's more, we - and nobody else! - upload the latest digital data radio monitoring screenshots with hot frequencies on a regular basis!

The letters in [brackets] represent the abbreviated order symbol for each item. See attached A4-size order form for detailed worldwide shipping costs. We accept payment by Mastercard and Visa credit cards: please give us the credit card number, the expiry date, and the 3-digits of the card verification code that is printed on the back of your credit card. Other modes of payment are cash in EUR bank notes, or low-cost bank transfer via the SEPA system. We do not accept cheques since these today cost 15 EUR exorbitant new bank "service" charge! Dealer or collective order discount rates on request. Please order from

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Internet www.klingenfuss.org

All books are published in the handy 17 × 24 cm format. This catalogue is available in German as well.


2020 Shortwave Frequency Guide

New 24th edition. The most up-to-date worldwide shortwave radio handbook available today. Clearly arranged alphabetical and frequency lists of both broadcast and utility stations. See page 11 for details!

2020 Super Frequency List on CD

New 26th edition. More than 37,000 entries cover both broadcast and utility stations. Latest transmission schedules for 2020. More than 900 fascinating new decoder screenshots. See page 9 for details!

Digital Data Decoder Screenshots on USB Stick

New edition 2020. More than 18,000 digital data decoder screenshots from 1997 to today. See page 18!

Save with our package deals!

Quality

Here at Klingenfuss Publications, we do real radio monitoring on a regular basis from various parts of the globe - and we have done so for 51 years! We have an extensive worldwide network of experienced cooperators, and we use state-of-the-art equipment and the leading technology such as PROCITEC and WAVECOM. What's more, we - and nobody else! - regularly upload the latest radio monitoring screenshots on our website. We have established methodical monitoring work procedures such as shift plans - and strict editorial guidelines! We do not plagiarize, and all entries which are older than 15 months are deleted automatically. By consequence, Klingenfuss Publications offer the most up-to-date manuals for radio monitors worldwide, regularly confirmed by the comprehensive list of references (as from page 6).

Currently, we're evaluating latest developments such as the new PROCITEC go2monitor and go2signals digital data decoders, introduced only recently. These display a bandwidth of several MHz in their sonagram and/or FFT. The sophisticated software runs up to 32 classification/recognition/decoding/recording channels over that wide frequency range by simply clicking on a selected signal!
Utility radio stations

The shortwave (SW) band covers frequencies from 3 to 30 MHz and its use is divided amongst various services. Presently, exclusive allocations for the broadcasting and amateur services occupy a total of only 6.0 MHz (22%) of the SW band - the other 77% of the SW band is used by professional utility services! These belong to various services, such as the aeronautical, fixed, maritime, mobile, radionavigation, standard frequency service, etc. Several types of stations operate within these services, e.g. diplomatic, humanitarian, meteorological, military, police, point-to-point, press stations, and so on. They use various types of modulation, including digital data and radioteletype (DIG), radiotelephony (ISB, SSB), radiotelegraphy (Morse, CW), facsimile (FAX), etc.

Many of these stations can be received and demodulated with suitable equipment. State-of-the-art software-defined radios (SDRs), Kiwi-SDRs, Web-SDRs and traditional "general coverage" receivers greatly facilitate the monitoring of utility stations, and are nowadays available for less than EUR / USD 500. Additional equipment such as digital data decoders and personal computers allow quasi-professional reception of modulation types which we had never dreamed of: you may print humanitarian organizations, press services, weather messages, diplomatic traffic, etc. You only need suitable reference books from which you can learn about frequencies, call signs, codes, schedules, and so on. This type of listening, in course of time, will become far more fascinating than monitoring amateur or broadcast radio stations.

We monitor utility stations regularly from exotic locations all over the world. Our international radio books have been published for 51 years. Data that goes rapidly out of date such as frequency lists and schedules is updated annually. Recent and current events such as the various Near and Middle East Wars, terrorist attacks, and the worldwide missions of humanitarian, Red Cross and UNO forces, have repeatedly confirmed only this method to be acceptable. To monitor such events, you only need your receiving equipment (or simply a Kiwi-SDR!) - and up-to-date reference books compiled from real radio monitoring! 😊
References


Georg Wiessala, Editor of Radio User, United Kingdom - March 2019: "... A noteworthy, and unusual, innovation ... has to be the content relating to the possibilities afforded for direction-finding using the Kiwi-SDR system ... [Utility Guide shows] workflow screenshots, which I am not aware of being offered in any other frequency book at the moment."

Martien van Lieshout, Netherlands - 22 November 2018: "For years the Guide to Utility Radio Stations is for me a reference. Also the Radio Data Code Manual and the Modulation CDs are a great help."

Gaby Delassus F5PSI, France - 12 October 2018: "2019/2020 Guide to Utility Radio Stations ... in the past, I've been one of your customers since a long time, in the 80 and 90! buying many of your serious books."

Javier Tresanchez EA3VO, Spain - 12 March 2018: "2017/2018 Guide to Utility Radio Stations ... 2018 Shortwave Frequency Guide ... I have been buying your books for years now at the Hispano Americana Bookstore in Barcelona."

Alessandro Bertoglio in Associazione Radioamatori Italiani's Radio Rivista, Italy - March 2018: "Non si offendano i BCL, essendo una questione di gusti personali, ma dopo una decina di anni d'ascolto delle stazioni BC ero veramente annoiato di ascoltare annunci pubblicitari, trasmissioni politiche o sportive in lingue che conoscevo poco ... Fu così che approdai nel mondo delle Utility, sconosciuto, intrigante, quasi, potrei dire, misterioso. Fu l'incontro con le pubblicazioni del Klingenfuss ad aprirci gli occhi: migliaia di stazioni, molto differenti dalle broadcasting, sparse su tutto il globo e tanti modi e protocolli di trasmissione. Un vero universo da esplorare!"

Marinus Kremer, Netherlands - 27 February 2018: "2017/2018 Guide to Utility Radio Stations ... The book has arrived in good condition and I am very happy with it."

Arnaldo Slaen, Argentinia - 12 December 2017: "... mis felicitaciones por vuestra publicación anual la cual, en casi 40 años como diexista, es la primera vez que adquiero."

Radio User, United Kingdom - April 2017: "2017/2018 Guide to Utility Radio Stations ... 2017 Shortwave Frequency Guide ... 2017 Super Frequency List on CD ... Over the past 48 years, Klingenfuss Publications has built a reputation for producing superb frequency guides and reference books that are of interest to both professional and hobby radio enthusiasts. Whether your interest lies in aeronautical, maritime or military communications, news agencies, non-governmental organisations, standard frequency and time signal stations or weather broadcasts, these Klingenfuss publications are likely to be very useful reference sources. The combination of these items should meet the needs of most devotees for the low frequency, medium frequency and shortwave bands."

Roland Elst PE1PIN, Netherlands - 25 March 2017: "2017/2018 Guide to Utility Radio Stations ... Received today looking great. The last version I ordered in 2007.... so big changes."
2019/20 GUIDE TO UTILITY RADIO STATIONS

Professional HF Communication Today

30th edition · January 2019 · 550 pages

[G] EUR 50.-

ISBN 978-3-941040-19-9

Our bestseller - for 39 years! The standard international reference book for the really fascinating radio services on shortwave: aero, diplo, International Red Cross, maritime, meteo, military, non-governmental organizations, police, press, telecom, terrorists, and United Nations. Political and military conflicts in the hellholes of this world, in Africa, Asia, and elsewhere are perfectly covered. The Utility Radio Guide is the ideal companion to the new Shortwave Frequency Guide (see page 11) for the "special" stations on shortwave!

8,500 frequencies monitored in 2018 with call sign, station name, ITU symbol, type(s) of modulation and corresponding return frequency, or times of reception and details. Plus Supplement January 2020 with 700+ new frequencies from 2019!

A handy index lists 500 stations in 250 countries for rapid access.

Covers the complete shortwave range from 3 to 30 MHz, plus the adjacent frequency bands from 0 to 150 kHz and from 1.6 to 3 MHz. Includes details on all types of professional utility radio stations including sophisticated digital data protocols and advanced teleprinter systems. Again includes hundreds of fascinating new screenshots from the world leaders in digital data and teleprinter systems monitoring and decoding.

References

Simon Lucas M3ZYH, United Kingdom - 10 March 2019: "2019/2020 Guide to Utility Radio Stations ... 2019 Super Frequency List on CD ... excellent publications."

Michael Ickenroth DD2PX, Germany - 14 December 2018: "2019 Super Frequency List on CD ... Weiter so! Kein anderer hat solch eine hohe Qualität. Deine Homepage ist super. Ein wahre Fundgrube!!"

Ronald Birnbaum WY1R, United States of America - 9 December 2018: "2019/2020 Guide to Utility Radio Stations ... 2019 Shortwave Frequency Guide ... 2019 Super Frequency List on CD ... Thank you for your service. For decades we have relied on your research and outstanding products."

Richard Roush KA8BDD, United States of America - 16 May 2018: "2018 Super Frequency List on CD ... This is simply amazing! One does not have to travel the world for great DX, just tune a Kiwi-SDR from a remote spot. We have come so far in technology."

Sergio Mas Ruiz, Spain - 17 December 2017: "2018 Shortwave Frequency Guide ... 2018 Super Frequency List on CD ... Felicitaciones por sus interesantes publicaciones!!!"

Glen Briden, Canada - 10 December 2017: "2018 Super Frequency List on CD ... I can not imagine listening to SW radio without your guide."

Mike Richards G4WNC, Decode Editor, in Radio User, United Kingdom - May 2017: "2017/2018 Guide to Utility Radio Stations ... 2017 Super Frequency List on CD ... Jörg Klingenfuss has been producing HF frequency lists for professional and hobby users for many years and his lists remain the most accessible and comprehensive ones available."

Josef Garcia, Germany - 30 January 2017: "2017 Super Frequency List on CD ... Wie nicht anders gewohnt Top Qualität!!!"

Mauro De Pascali, Switzerland - 3 January 2017: "2017/2018 Guide to Utility Radio Stations ... 2017 Super Frequency List on CD ... Grazie per il grandioso e instancabile lavoro."

Bob Grove W8JHD, Review Editor, in The Spectrum Monitor, United States of America - February 2016: "For the consummate monitor of the radio spectrum, two major sources dominate the frequency directory compendium. For scanner enthusiasts it's the radioreference.com website, and for shortwave aficionados it's Joerg Klingenfuss's comprehensive collection in print and on CDs. Joerg has been a leader in shortwave publications for decades, covering both broadcasting and utilities; his latest issues are excellent examples of his continuing effort to offer professional and comprehensive volumes. 2016 Shortwave Frequency Guide ... This 20th print edition should provide ample evidence to refute the 'shortwave is dead' myth. Last year's volume had 360 pages. This year's volume? Still 360 pages. While it is true that the broadcasters are slowly but surely emigrating from the HF spectrum, utility stations are actually on the rise."

Dennis Brewer, United States of America's Broadcasting Board of Governors, Radio Free Asia, Relay Station Udorn, Thailand - 18 January 2010: "2010 Super Frequency List on CD ... Your frequency lists are incredibly good."
Our databases cover: 4,500 entries with latest schedules of all clandestine, domestic and international broadcasting services on shortwave, compiled by top experts in this field. 9,100 special frequencies from our international bestseller 2019/2020 Guide to Utility Radio Stations (see page 7). Plus 920 abbreviations and 23,800 formerly active frequencies - all on one CD for PCs with Windows™. Not only can you browse through all that data in milliseconds, but you can search in next to no time - even combined! - for specific frequencies, countries, stations, languages, call signs, and times as well. It can't get faster than this! Includes additionally more than 900 fascinating new screenshots of digital data decoders, SDRs, Kiwi-SDRs, and Web-SDRs. This unequalled product is based on 51 years of experience in the radio monitoring and publishing field. Klingenfuss Publications: the difference between jumping on the bandwagon - and driving it!
References

Georg Wiessala, Editor of Radio User, United Kingdom - March 2019: "... Don't skip over Chapters One and Two, on monitoring utility signals, because the depth of background information on everything from politics and equipment offered here, is unprecedented and includes SDR receivers, web-SDR technology, automatic monitoring and types of services, such as HF E-Mail and others. Both the listings of utility stations, and those on broadcast radio are prefaced by informative, and meticulously-researched introductions, on such issues as DRM and the future of radio. - Among all frequency guides I am aware of, the Klingenberg books are the only ones, which provide insightful critical comment and analysis on the history and politics of short wave broadcasting, touching on topics like EU regulations, Chinese short wave dominance, the vulnerability of internet-infrastructure, the internet, SATCOM and HF radio in dictatorial regimes, the absurdly premature abandonment of short wave by some states - Germany among them - and much else. This provides some much-needed context to your DXing if you are interested in more than merely accumulating 'catches'."


Robert Dodt, United Kingdom - 8 November 2017: "2018 Shortwave Frequency Guide ... I have used your very excellent SW Frequency Guides for years."

Bob Grove W8JHD, Review Editor, in The Spectrum Monitor, United States of America - January 2017: "2017/2018 Guide to Utility Radio Stations ... the 29th edition of this superb reference should put to rest any suspicion that shortwave utility use is waning. - 2017 Shortwave Frequency Guide ... separately addresses broadcast and utility stations. For new shortwave listeners, an introductory section outlines various classes of stations that can be monitored on the shortwave spectrum. It is a global overview of modes, countries, and services. - 2017 Super Frequency List on CD is a massive compendium of the print guides' contents ... has a voluminous collection, nearly 500 examples, of digital images actually taken from the shortwave spectrum."

Ralf Crüsemann DL4DAE, Germany - 14 January 2017: "2017 Shortwave Frequency Guide ... 2017 Super Frequency List on CD ... Wirklich eine feine Liste, die Sie jedes Jahr auf das Neue zusammenstellen. Herzlichen Dank für die mühevollen Arbeit!"

Funkamateur, Germany - March 2016: "2016 Shortwave Frequency Guide ... Empfehlenswerter Begleiter beim Kurzwellenempfang."

Brian Carr, New Zealand - 18 December 2015: "I got my 2016 Shortwave Frequency Guide yesterday afternoon, very happy with it."

Frank Ravenswood K2NCC, United States of America - 27 July 2015: "2015 Shortwave Frequency Guide ... 2015/2016 Guide to Utility Radio Stations ... I have purchased from you before, and would like to do so again. I have a handful of your publications dating back to the late '90s."
2020 SHORTWAVE FREQUENCY GUIDE

24th edition · January 2020 · 350 pages

[S] EUR 40.-

ISBN 978-3-941040-70-0

Definitely the best worldwide shortwave radio handbook available today. Unlike traditional publications in this field, it is really user-friendly, clearly arranged, and up-to-date! Covers the latest 2020 schedules of all clandestine, domestic, and international broadcast stations worldwide from our 2020 SUPER FREQUENCY LIST ON CD (see page 9), compiled by a team of top experts. Features a gigantic frequency list with more than 4,500 entries, and a superb alphabetical list of stations as well. Another 9,100 entries cover all professional utility stations worldwide from our international bestseller 2019/2020 GUIDE TO UTILITY RADIO STATIONS (see page 7). Includes a solid introduction to real shortwave radio monitoring. Covers the new DRM digital modulation broadcast technique as well. Samples for the application of state-of-the-art technology such as software-defined radios (SDR) and sophisticated digital data analyzers/decoders, as well as Internet receivers (Kiwi-SDR and Web-SDR). Sample pages can be viewed on our webpage www.klingenfuss.org. Two handbooks in one - at a sensational low price!
References


Peter Hart G3SJX, Perseus SDR Review Editor, RSGB RADCOM, United Kingdom - 24 May 2010: "Thanks for the information and details on your website. Very interesting, you have a very comprehensive database."

Bob Grove W8JHD, Chief Editor, in Monitoring Times, United States of America - August 2008: "I have had the opportunity over the last 30 years to observe first hand the changes that have taken place in the HF spectrum. You will notice that the HF radio spectrum of yesterday looks nothing like the HF spectrum of today. Nowhere is this more dramatically demonstrated than in the digital modes used on HF frequencies. While some oldtimers claim the bands are dead and shortwave is being abandon-ed, nothing could be further from the truth. The bands are as active as ever, but the modes and services transmitting on HF have changed. It's the listening hobby that, for the most part, has not kept up with the times. If you want to get on board this changing world of HF digital communications, one publication stands out above all the rest - the Klingenfuss Radio Data Code Manual. Now in its 18th edition, Joerg Klingenfuss has literally compiled an encyclopedia of digital information for the HF radio spectrum in this voluminous publication. This standard international reference book is indispensable for identifying HF radio stations using various digital modes. If you plan on really listening to the HF digital spectrum of today, then you need this book on your reference shelf."

Mike Richards G4WNC, Decode editor of Radio User, United Kingdom - July 2008: "The Radio Data Code Manual is one of the most important references for the serious utility listener simply because it brings together a vast amount of technical information that's not available in any other single publication. The manual has been written by enthusiasts and is widely used by both professional and hobby users around the world. I particularly like the baud rate tables in the section covering identification of digital data systems. Using the signal's baud rate along with these tables, you can narrow down the possibilities for an unknown signal very quickly. This is almost always faster than automated mode recognition software. To further help identification, the digital section includes lots of high quality screenshots from the WAVECOM W61 digital data decoder. The Radio Data Code Manual continues to be the prime reference for those interested in monitoring a wide range of radio transmissions. The content is bang up to date and the range of information is not available in any other single publication."

RADIO DATA CODE MANUAL

Professional HF Communication Today

18th and final edition · 2008 · 600 pages

[C] EUR 40.-


The standard international reference book for COMINT, ELINT, MASINT, SIGINT, used around the world by radio monitoring services for training and operation (references see page 22). Includes 131 new graphics and screenshots.

Digital data transmission on shortwave: Innovative and state-of-the-art analysis · classification · decoding · display equipment, with dozens of sample screenshots and manufacturer's details. Latest digital data transmission and teleprinter systems plus national teleprinter alphabets. Terms and definitions.


Meteorological and aeronautical telecommunication: WMO GTS radio message format with decoding examples, including the new AWIPS identifier. AMDAR, ARFOR, BATHY, METAR, PILOT, ROFOR, SHIP, SPECI, SYNOP, TAF, TEMP, TESAC, TRACKOB, and WINTEM codes. Worldwide air traffic control beyond 2011 by means of ACARS and CPDLC. 11,494 meteorological observing stations and 13,276 ICAO location indicators worldwide, with thousands of new entries.

Unicode: Code tables for all major scripts worldwide within a truly universal and simple system for global electronic information exchange. 33 national alphabets with script samples and screenshots.
PACKAGE PRICE for the SUPER FREQUENCY LIST ON CD and the SHORTWAVE FREQUENCY GUIDE (pages 9 and 11)
[K3] EUR 60.-

PACKAGE PRICE for the publications on pages 7, 13, and 16
[A] EUR 100.-

PACKAGE PRICE for the publications on pages 7, 13, and 16 plus the two MODULATION TYPES AUDIO CD SETS 1 and 2 (total 4 CDs) on page 15
[AA] EUR 210.-

PACKAGE PRICE for MODULATION TYPES SET 1 and SET 2 ordered together (total 4 CDs)
[K5] EUR 110.-

BC2020.XLS BROADCAST DATABASE
[BC] EUR 100.-
For professional customers, our broadcast frequency database (~ 4500 entries) is available as a standard .xls file for open access.

UT2020.XLS UTILITY DATABASE
[UT] EUR 200.-
For professional customers, our utility frequency database (~ 9100 entries) is available as a standard .xls file for open access.
CD MODULATION TYPE RECORDINGS - SET 1

[M 1] EUR 60.-

This double CD contains examples of various radiocommunication systems recorded by a professional monitoring service in Europe. Two CDs cover a total of 2½ hours and allow rapid access to the typical sounds of all conventional and exotic VLF·LF·MF·HF·VHF·UHF·SHF transmission modes. Connect your audio CD player or multi-media PC to state-of-the-art decoding hard- and software and practice tuning these modes. Synchronization is perfect due to the digital recording technique!

71 different recordings cover speech, Morse, fax, teleprinter and digital data systems such as ACARS, ALIS, Arabic, ARQ-E, ARQ-E3, ARQ-M, ARQ-N, ARQ6, ASCII, ATU-Arabic, AUTOSPEC, bit inversion, CIS, Cyrillic and third-shift Cyrillic, DUP-ARQ, FEC-A, GOLAY, HC-ARQ, HNG-FEC, IRA, ITA2, MCVFT, MFSK, NATO Link, Packet Radio, PACTOR, Piccolo, POCSAG, POL-ARQ, QAM, RUM-FEC, SI-ARQ, SI-FEC, SITOR, SPREAD, SWED-ARQ and TWINPLEX. The various recordings are listed separately.

CD MODULATION TYPE RECORDINGS - SET 2

[M 2] (as above)

RADIOTELEX MESSAGES

_The Golden Age of global teleprinter and telex communications_

Edition 1999 · 572 pages

[T] EUR 30.-

ISBN 3-924509-16-6

This unique guidebook summarizes several decades of continuous worldwide radio monitoring between 1974 and 1998, and gives an expert's insight in dozens of interesting message formats and modern transmission protocols. Covers 1,004 messages and screenshots of 692 utility stations from 136 countries. Includes 364 station and traffic abbreviations and telex codes, plus all Q-code and Z-code groups. We carried out radio monitoring operations at hundreds of truly exotic locations in more than 50 countries all over the globe. With its comprehensive coverage of global aeronautical, commercial, diplomatic, maritime, meteorological, military, navigation, police, press, public, and secret radiocommunications on shortwave, this manual is highly informative and amusing at the same time. In one word: fascinating!

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PACKAGE PRICE for the 2020 FREQUENCY DATABASE FOR THE PERSEUS LF-MF-HF SDR and the SUPER FREQUENCY LIST ON CD (pages 9 and 17)

[K6] EUR 70.-
Ready-to-use specially formatted individual USERLIST.TXT file with our latest 2020 frequency data. Total ~ 13'500 entries. The only database that includes both broadcast and professional utility radio stations worldwide!

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<thead>
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