

British DX Club

The Americas on Shortwave



**Guide to shortwave broadcasts
in the Americas (and Antarctica)**

July 2021

The Americas on Shortwave

This guide covers shortwave broadcasting in the Americas (and Antarctica). It is continuously being revised and expanded to provide a variety of information about broadcasting on shortwave.

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Descriptions used in this guide have been taken from radio station websites and Wikipedia.

This guide was last revised on 8 July 2021 - the very latest edition can always be found at www.dxguides.info

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North America

Alaska

KNLS International

KNLS International is an international shortwave radio station near Anchor Point, Alaska. The station is operated by World Christian Broadcasting, a non-profit company based in the United States. KNLS broadcasts in English, Chinese and Russian to East Asia and the Russian Far East.

Transmitter site: Anchor Point - 2 x 100 kW.

Time/UTC	Days	Language	Target	kHz
0800-0900	Daily	English	East Asia	9695
0800-0900	Daily	Chinese	East Asia	11875
0900-1000	Daily	Russian	Russian Far East	9695
0900-1000	Daily	Chinese	East Asia	11875
1000-1100	Daily	English	East Asia	9580
1000-1100	Daily	Chinese	East Asia	9685
1100-1200	Daily	Russian	Russian Far East	9580
1100-1200	Daily	Chinese	East Asia	9730
1200-1300	Daily	English	East Asia	7355 9795
1300-1400	Daily	Chinese	East Asia	7395 9740
1400-1500	Daily	Chinese	East Asia	7355
1400-1500	Daily	English	East Asia	9580
1500-1600	Daily	Russian	Russian Far East	9800
1500-1600	Daily	Chinese	East Asia	9760



Canada

CFVP Calgary AB

CFVP is the full-time shortwave rebroadcaster of CKMX (Funny 1060 AM) in Calgary, Alberta. CFVP broadcasts at a power of 100 watts on 6030 kHz in the 49m shortwave band. After a period off air, engineers restored the service as of 9 am local time on 19 June 2021.

Transmitter site: Calgary, Alberta - 1 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	English	6030

CFRX Toronto ON

CFRX is the shortwave relay of CFRB (Newstalk 1010), the news/talk radio station in Toronto, Ontario. It transmits with a power of 1 kilowatt on 6070 kHz in the 49-meter band. CFRX signed on the air on 11 February 1937, 10 years after CFRB began. It is currently the only radio Canadian station broadcasting on shortwave.

Transmitter site: Toronto, Ontario - 1 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	English	6070



USA

United States Agency for Global Media (USAGM)

USAGM's mandate comes from multiple pieces of legislation. It is accountable to six bipartisan House and Senate committees. As a federal agency, USAGM's budget request is part of the President's Budget request to the Congress. It provides multimedia broadcast distribution, as well as technical and administrative support to the broadcasting networks. It manages a global network of transmitting sites and an extensive system of leased satellite and fibre optic circuits, along with a rapidly growing Internet delivery system servicing all USAGM broadcasters. It is also the administrative and marketing arm of the Agency. USAGM also oversees five networks: two federal organisations - the Voice of America and the Office of Cuba Broadcasting, which oversees Radio and TV Martí - and three non-profit organisations - Radio Free Europe/Radio Liberty, Radio Free Asia and the Middle East Broadcasting Networks - which receive grants from USAGM.

Voice of America

Voice of America (VOA) is an American international broadcaster funded by the United States Congress. It is the largest and oldest U.S. funded international broadcaster. VOA produces digital, TV, and radio content in 47 languages which it distributes to affiliate stations around the globe. It is primarily viewed by foreign audiences, so VOA programming has an influence on public opinion abroad regarding the United States and its people. VOA is headquartered in Washington, D.C., and overseen by the U.S. Agency for Global Media (USAGM), an independent agency of the U.S. government. Funds are appropriated annually under the budget for embassies and consulates.

Transmitter sites: Ascension Island (asc) - 250 kW; Biblis, Germany (bib) - 100 kW; Selebi-Phikwe, Botswana (bot) - 100 kW; Dhabbaya, UAE (dha) - 250 kW; Greenville NC, USA (gr) - 250 kW; Umm al-Rimam, Kuwait (kwt) - 250 kW; Lampertheim, Germany (lam) - 100 kW; Tinang, Philippines (pht) - 250 kW; Pinheira, Sao Tome (sao) - 100 kW; Santa Maria di Galeria, Vatican (smg) - 250 kW; Udorn Thani, Thailand (udo) - 250 kW; Woofferton, UK (wof) - 300 kW.

Time/UTC	Days	Language	Target	kHz
0000-0030	Daily	Burmese	South-East Asia	5875-udo 7410-udo 12110-pht
0000-0100	Daily	Tibetan	Tibet & environs	7480-udo 9855-kwt 13670-udo(mo) 13630-udo(tu) 13640-udo(we) 13760-udo(th) 17805-udo(fr) 13690-udo(sa) 13810-udo(su)
0000-0100	Daily	Chinese	East Asia	9600-pht 11660-udo 15340-pht 17560-pht
0130-0230	Daily	Burmese	South-East Asia	7305-udo 15110-pht 17865-pht
0230-0330	Daily	Burmese	South-East Asia	5875-udo 15285-pht 15700-pht 17865-pht
0300-0400	Daily	English	Africa	4930-bot 5925-bot 6080-bot
0300-0400	Daily	Tibetan	Tibet & environs	15140-kwt 17735-pht 21600-pht(mo) 21610-pht(tu) 21630-pht(we) 21620-pht(th) 21640-pht(fr) 21680-pht(sa) 21650-pht(su)
0330-0400	Daily	Somali	Horn of Africa	7260-smg 13680-kwt 15630-udo

0330-0430	Daily	Kirundi	Great Lakes	6155-sao 7225-sao 7460-bot
0400-0500	Daily	English	Africa	4930-bot(sa/su) 4960-sao 5925-bot 6080-sao 7375-wof
0400-0500	Daily	Tibetan	Tibet & environs	15150-udo 17615-udo 17785-pht(mo) 17865-pht(tu) 17785-pht(we) 17865-pht(th) 17785-pht(fr) 17650-pht(sa) 17650-pht(su)
0430-0500	Mon-Fri	Kirundi	Great Lakes	7225-sao 7460-bot 11995-kwt
0500-0530	Daily	Hausa	West Africa	4960-sao 6180-asc 9715-smg
0500-0530	Mon-Fri	Kirundi	Great Lakes	7460-bot 9815-sao 11995-bot
0500-0600	Daily	English	Africa	4930-bot 6080-sao 15580-bot
0500-0600	Daily	Tibet	Tibet & environs	15140-kwt 17660-udo 21620-pht(mo) 21610-pht(tu) 21640-pht(we) 21650-pht(th) 21580-pht(fr) 21600-pht(sa) 21630-pht(su)
0530-0630	Mon-Fri	French	West/Central Africa	4960-sao 7265-sao 9885-wof 13830-bot
0600-0700	Daily	English	Africa	6080-sao 15580-bot
0700-0730	Daily	Hausa	West Africa	4960-sao 12070-smg 17700-bot
0830-0900	Wed/Sat	French	West/Central Africa	11815-sao 13830-bot 17530-bot
0900-1100	Daily	Chinese	East Asia	11785-udo 11825-pht 13755-udo 17485-udo 21695-pht
1030-1100	Daily	Somali	Horn of Africa	11760-dha 15620-smg 17775-smg
1100-1130	Sat	French	West/Central Africa	15280-sao 15730-bot 17540-smg 17850-gb
1100-1200	Daily	Chinese	East Asia	7470-udo 9460-pht 11785-pht 11825-pht 15250-pht
1130-1200	Mon-Fri	Rohingya	South-East Asia	9350-udo 11700-pht 12030-udo
1130-1200	Sat/Sun	L. English	South-East Asia	9350-udo 11700-pht 12030-udo
1200-1230	Daily	Burmese	South-East Asia	11965-pht 15565-pht 17680-pht
1200-1300	Daily	Chinese	East Asia	7470-udo 11785-pht 11825-udo 15250-pht
1200-1300	Daily	Korean	East Asia	9350-pht 9490-udo 12080-pht
1300-1400	Daily	Cantonese	East Asia	7480-udo
1300-1400	Daily	Chinese	East Asia	6115-pht 11785-pht 15130-pht 15165-udo
1300-1400	Daily	Korean	East Asia	9350-pht 12045-udo 12080-pht
1300-1400	Daily	Somali	Horn of Africa	15620-bot 17530-smg
1330-1430	Daily	Khmer	South-East Asia	9615-pht 11695-pht
1400-1500	Daily	Cantonese	East Asia	7480-pht
1400-1500	Daily	Chinese	East Asia	6115-pht 9465-pht 11900-pht 15110-pht
1400-1500	Daily	English	Africa	4930-bot 5940-bot 15580-bot
1400-1500	Sat/Sun	Kirundi	Great Lakes	15460-sao 17530-sao 17580-sao
1400-1500	Daily	Korean	East Asia	9410-pht 12045-udo 12080-pht
1400-1500	Daily	Kurdish	Middle East	11985-bib 15610-bot
1400-1500	Daily	Tibetan	Tibet & environs	9920-kwt 15730-bib 17690-lam
1430-1530	Daily	Burmese	South-East Asia	5885-udo 9370-pht 9380-pht
1500-1530	Daily	Hausa	West Africa	11750-sao 15460-udo 17700-smg
1500-1600	Daily	English	Africa	4930-bot 5940-bot 15580-bot 17530-bot
1530-1600	Daily	Burmese	South-East Asia	5885-udo 9370-pht 9380-pht
1530-1600	Mon-Fri	Hausa	West Africa	11750-sao 13770-sao 15460-udo 17700-wof
1600-1630	Daily	Burmese	South-East Asia	5885-pht 9370-pht 9380-pht
1600-1630	Daily	English	Africa	4930-bot 5940-bot 15580-bot
1600-1630	Daily	Kirundi	Great Lakes	13630-sao 15460-sao 17530-sao
1600-1700	Daily	Tibetan	Tibet & environs	7565-pht 9760-lam 9965-udo 11890-pht
1600-1700	Daily	Somali	Horn of Africa	12055-udo 15620-bot
1630-1700	Mon-Fri	English	Africa	4930-bot
1630-1700	Sat/Sun	English	Africa	4930-bot 5940-sao 15580-bot
1630-1700	Mon-Fri	English	South Sudan	11910-bot 13590-dha 15660-lam
1630-1700	Fri	Portuguese	Southern Africa	12080-sao 17655-wof
1630-1700	Daily	Swahili	East Africa	15260-bot 15460-sao 17530-sao
1630-1730	Daily	Burmese	South-East Asia	9380-pht
1700-1730	Sat/Sun	English	Africa	15580-bot
1700-1730	Mon-Fri	Amharic	Horn of Africa	11610-wof 15660-sao
1700-1730	Daily	English	Africa	5940-sao 15165-wof 17530-gb
1700-1800	Daily	Kurdish	Middle East	7435-bib 9820-udo 11760-bib
1700-1800	Daily	Portuguese	Southern Africa	12080-bot 17655-smg
1700-1800	Daily	Somali	Horn of Africa	12055-udo 15620-kwt
1730-1800	Daily	Burmese	South-East Asia	6150-udo
1730-1800	Daily	English	Africa	5940-sao 15165-wof 15580-bot 17530-gb
1730-1800	Mon-Fri	Oromo	Horn of Africa	11610-wof 12070-sao 15660-sao
1800-1830	Daily	English	Africa	4930-bot(sa/su) 6080-bot 15580-bot 17530-smg
1800-1830	Mon-Fri	Portuguese	Southern Africa	12080-bot 17655-sao
1800-1900	Daily	Amharic	Horn of Africa	11610-wof 12070-kwt 15660-wof
1830-1900	Daily	English	Africa	4930-bot(sa/su) 6080-bot 15580-bot

1830-1900	Daily	French	West/Central Africa	6180-sao 9490-bot
1830-1900	Mon-Fri	Kirundi	Great Lakes	11870-dha 17530-asc
1900-1930	Daily	French	West/Central Africa	6180-sao 9490-bot
1900-1930	Mon-Fri	Tigrinya	Horn of Africa	11610-wof 12070-kwt 15660-sao
1900-2000	Daily	English	Africa	4930-bot 6080-bot 15580-bot
1900-2000	Daily	Kurdish	Middle East	6170-bib 7225-bib 9820-udo
1900-2100	Daily	Korean	East Asia	5875-udo 7365-udo 7485-pht
1930-2000	Daily	French	West/Central Africa	9490-kwt 17530-gb
1930-2000	Mon-Fri	Kirundi	Great Lakes	6040-sao 9470-sao 11870-bot
2000-2030	Daily	French	West/Central Africa	9470-bot 9490-kwt 11900-sao 17530-gb
2000-2100	Daily	English	Africa	4930-bot 6195-bot 15580-bot
2030-2100	Daily	Hausa	West Africa	4960-sao 7325-sao 9470-sao 9490-sao(mo-sa) 12070-kwt 15730-gb(sa)
2030-2100	Sat/Sun	French	West/Central Africa	9490-sao(su) 11900-bot 15185-gb 15730-gb(su)
2100-2130	Mon-Fri	French	West/Central Africa	9470-bot 9490-dha 9410-wof 11900-sao
2100-2200	Daily	English	Africa	6195-bot 15580-bot
2130-2200	Daily	Bambara	West Africa	7360-bot 9490-asc 11900-smg 15120-gb
2200-2230	Daily	Khmer	South-East Asia	5964-pht 7375-pht 9320-pht
2200-2300	Daily	Chinese	East Asia	5875-udo 9625-pht
2330-0000	Daily	Burmese	South-East Asia	7410-udo 12110-pht

Voice of America - Studio 7

Studio 7 aims to provide extensive and comprehensive coverage of political, economic and social developments in Zimbabwe. On both its radio and Radio-on-TV platforms, Studio 7 offers a variety of programmes targeted to a diverse group of listeners, including women and youth, the diaspora community and rural population, as well as a variety of topics that include religion, culture, health, and sports. Studio 7 broadcasts in Shona and Ndebele with each language programme running for 30 minutes. In addition, Studio 7 airs Livetalk, a 60-minute call-in Radio-on-TV (simulcast) talk show, Monday through Friday. Livetalk is a platform of engagement that allows Zimbabweans in country and in the diaspora to air their views on developments taking place in Zimbabwe and elsewhere.

Transmitter sites: Selebi-Phikwe, Botswana (bot) - 100 kW; Pinheira, São Tomé (sao) - 100 kW.

Time/UTC	Days	Lang/Prgr	Target	kHz
0400-0430	Mon-Fri	Shona	Zimbabwe	4930-bot 6170-sao 7270-bot
0430-0500	Mon-Fri	Ndebele	Zimbabwe	4930-bot 6170-sao 7270-bot
1700-1730	Daily	Shona	Zimbabwe	4930-bot 6040-bot 15460-sao
1730-1800	Daily	Ndebele	Zimbabwe	4930-bot 6040-bot 15460-sao
1800-1900	Mon-Fri	Live Talk	Zimbabwe	4930-bot 6040-sao 15460-sao

Radio Free Europe / Radio Liberty

Radio Free Europe/Radio Liberty (RFE/RL) is a United States government-funded organisation that broadcasts and reports news, information and analysis to countries in Eastern Europe, Central Asia, Caucasus and the Middle East where it says that "the free flow of information is either banned by government authorities or not fully developed". RFE/RL is a private, non-profit 501(c) corporation supervised by the U.S. Agency for Global Media, an independent government agency overseeing all U.S. federal government international broadcasting services. RFE/RL broadcasts in 27 languages to 23 countries. The organisation has been headquartered in Prague, Czech Republic since 1995.

Transmitter sites: Biblis, Germany (bib) - 100 kW; Dhabbaya, UAE (dha) - 250 kW; Umm al-Rimam, Kuwait (kwt) - 250 kW; Lampertheim, Germany (lam) - 100 kW; Udorn Thani, Thailand (udo) - 250 kW; Woofferton, UK (wof) - 300 kW.

Time/UTC	Days	Service	Language	Target	kHz
1400-1500	Daily	Ozodlik Radiosi	Uzbek	Central Asia	11790-kwt 15310-wof
1400-1500	Daily	Azatlyk Radiosy	Turkmen	Central Asia	12055-bib 15255-udo
1400-1600	Daily	Radio Ozodi	Tajik	Central Asia	11850-lam 15450-lam
1500-1600	Daily	Azatlyk Radiosy	Turkmen	Central Asia	9525-kwt 15255-udo
1600-1700	Daily	Radio Ozodi	Tajik	Central Asia	7475-kwt 11850-dha
1600-1700	Daily	Ozodlik Radiosi	Uzbek	Central Asia	9920-udo 11790-bib



Radio Farda

Radio Farda ("Radio Tomorrow") is the Iranian branch of the U.S. government-funded Radio Free Europe/Radio Liberty (RFE/RL) external broadcast service. It broadcasts 24 hours a day in Persian from its headquarters in Prague.

Transmitter sites: Biblis, Germany (bib) - 100 kW; Umm al-Rimam, Kuwait (kwt) - 250 kW;

Lampertheim, Germany (lam) - 100 kW; Udorn Thani, Thailand (udo) - 250 kW; Woofferton, UK (wof) - 300 kW.

Time/UTC	Days	Language	kHz
0230-0300	Daily	Persian	5860-kwt 13860-udo 15690-udo
0300-0530	Daily	Persian	5860-kwt 9370-lam 13860-udo 15690-udo
0530-0630	Daily	Persian	5860-kwt 9370-lam 13860-udo 15690-bib
0630-0830	Daily	Persian	5860-kwt 9370-kwt 13860-udo 15690-bib
0830-0930	Daily	Persian	5860-kwt 9370-kwt 13860-kwt 15690-bib 17830-lam
0930-1100	Daily	Persian	5860-kwt 9370-kwt 15690-bib 17830-lam
1100-1230	Daily	Persian	5860-kwt 7435-kwt 9370-lam 12005-lam 15690-bib 17830-lam
1230-1300	Daily	Persian	5860-kwt 7435-kwt 12005-lam 15690-bib 17830-lam
1300-1400	Daily	Persian	5860-kwt 7435-kwt 12005-wof 15690-bib 17830-lam
1400-1530	Daily	Persian	5860-kwt 12005-wof 15690-bib 17830-lam
1530-1600	Daily	Persian	5860-kwt 12005-wof 15690-bib
1600-1800	Daily	Persian	5860-kwt 12005-wof
1800-0230	Daily	Persian	5860-kwt

USAGM target broadcasts on shortwave to Afghanistan and Pakistan

The Voice of America and Radio Free Europe/Radio Liberty have several broadcasts directed to Afghanistan and Pakistan on shortwave. These are:

- VOA Pashto and VOA Dari (also known as Ashna Radio).
- Deewa (Light) Radio is a Voice of America service in Pashto for the Afghanistan-Pakistan border region. Programming consists of news reports and music. The service was launched on 27 September 2006.
- Radio Free Afghanistan (Radio Azadi) is the Afghan service of Radio Free Europe/Radio Liberty and began broadcasting on 30 January 2002. An earlier version of RFA existed as part of RFE/RL between 1985-1993.
- Radio Mashaal ("Mashaal" meaning "Torch" in Pashto) began broadcasting on 15 January 2010 in local Pashto dialects to Pakistan and the border regions between Afghanistan and Pakistan.

Transmitter sites: Dhabbaya, UAE (dha) - 250 kW; Umm al-Rimam, Kuwait (kwt) - 250 kW

Biblis, Germany (bib) - 100 kW; Lampertheim, Germany (lam) - 100 kW; Udorn Thani, Thailand (udo) - 250 kW.

Time/UTC	Days	Service	Language	kHz
0030-0100	Daily	VOA Pashto	Pashto	7495-lam 9480-udo
0100-0130	Daily	VOA Dari	Dari	7495-lam 9480-udo
0100-0200	Daily	VOA Deewa	Pashto	9840-dha 12035-udo 13745-udo
0130-0200	Daily	VOA Pashto	Pashto	7495-lam 9480-udo
0200-0230	Daily	VOA Dari	Dari	7495-lam 9480-udo
0200-0300	Daily	VOA Deewa	Pashto	9840-dha 12035-udo 13745-udo
0230-0300	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 12070-udo
0300-0330	Daily	RFE/RL Radio Azadi	Dari	9480-bib 12070-udo
0300-0400	Daily	VOA Deewa	Pashto	9840-kwt 12035-udo 13745-udo
0330-0430	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 17880-udo
0400-0500	Daily	RFE/RL Radio Mashaal	Pashto	12130-kwt 15360-dha 15750-udo
0430-0530	Daily	RFE/RL Radio Azadi	Dari	9480-bib 17880-udo
0500-0700	Daily	RFE/RL Radio Mashaal	Pashto	12130-kwt 15365-dha 15750-kwt
0530-0630	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 17880-udo
0630-0730	Daily	RFE/RL Radio Azadi	Dari	9480-bib 17880-udo
0700-1000	Daily	RFE/RL Radio Mashaal	Pashto	12130-kwt 15365-kwt 15750-kwt
0730-0830	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 17880-udo
0830-0930	Daily	RFE/RL Radio Azadi	Dari	9480-bib 17880-udo
0930-1030	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 17880-udo
1000-1200	Daily	RFE/RL Radio Mashaal	Pashto	12130-kwt 15365-udo 15755-kwt
1030-1130	Daily	RFE/RL Radio Azadi	Dari	9480-bib 17880-udo
1130-1230	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 17880-udo
1200-1300	Daily	RFE/RL Radio Mashaal	Pashto	12130-kwt 15365-udo 15750-udo
1230-1330	Daily	RFE/RL Radio Azadi	Dari	9480-bib 17880-udo
1300-1600	Daily	VOA Deewa	Pashto	9310-udo 12035-udo 13820-kwt 15640-lam
1330-1400	Daily	RFE/RL Radio Azadi	Pashto	9480-bib 17880-udo
1400-1430	Daily	RFE/RL Radio Azadi	Dari	9480-bib 17880-udo
1430-1500	Daily	VOA Pashto	Pashto	7495-udo 11575-kwt 12070-udo
1500-1630	Daily	VOA Dari	Dari	7495-udo 11575-kwt 12070-udo
1600-1700	Daily	VOA Deewa	Pashto	9310-udo 12035-udo 13820-dha 15640-lam
1630-1730	Daily	VOA Pashto	Pashto	7495-udo 11575-kwt 12070-udo
1700-1900	Daily	VOA Deewa	Pashto	5890-udo 7540-udo 9310-udo 12035-lam

Radio Free Asia

Radio Free Asia operates under a US Congressional mandate to deliver uncensored, domestic news and information to China, Tibet, North Korea, Vietnam, Cambodia, Laos, and Burma, among other places in Asia with poor media environments and few, if any, free speech protections. All broadcasts are solely in local languages and dialects, which include Mandarin, Tibetan, Cantonese, Uighur, Vietnamese, Lao, Khmer, Burmese, and Korean.

Transmitter sites: Biblis, Germany (bib) - 100 kW; Dhabbaya, USA (dha) - 250 kW; Dushanbe, Tajikistan (db) - 200/250 kW; Kuwait (kwt) - 250 kW; Lampertheim, Germany (lam) - 100 kW; Paochung, Taiwan (pao) - 250 kW; Saipan, Northern Marianas (sai) - 100 kW; Tinian, Northern Marianas (tin) - 250 kW.

Time/UTC	Days	Language	kHz
0000-0100	Daily	Lao	15210-tin
0030-0130	Daily	Burmese	12140-tin 15110-sai 15250-pao 15700-kwt
0100-0200	Daily	Tibetan	9370-db 9510-kwt 9705-db
0100-0200	Daily	Uighur	9350-db 9780-kwt 9800-bib 11640-kwt 11790-kwt
0100-0300	Daily	Tibetan	11705-kwt 17670-tin
0200-0300	Daily	Burmese	15250-pao
0200-0300	Daily	Tibetan	9370-kwt 11745-sai 11820/11895/11925-kwt
0300-0400	Daily	Chinese	11570-tin 11895-sai 11985-kwt 17690-sai
0400-0500	Daily	Chinese	11895-sai 13750-kwt 17690-sai 21505-tin
0500-0600	Daily	Chinese	11895-sai 17690-kwt 21690-tin
0600-0700	Daily	Chinese	11895-sai 13790-sai 17690-kwt 17810-tin
0600-0700	Daily	Tibetan	15720-db 17635/17750-kwt 17670-bib 21690-tin
0700-0800	Daily	Burmese	15110-sai 17690-tin
1000-1100	Daily	Tibetan	13800-kwt 15330-tin 21455/21465/21475/21505/21520/21540/21565-tin
1100-1200	Daily	Lao	15195-tin
1100-1200	Daily	Tibetan	13580-db 15265-bib 15470-db 17540-tin
1200-1300	Daily	Korean	9580-pao
1200-1300	Daily	Tibetan	11570-kwt 13580-db 15470-db 17690-db 17720-lam
1230-1330	Daily	Burmese	7530-db 9370-db 15230-tin
1230-1330	Daily	Cambodian	9700-tin 12140-tin
1300-1400	Daily	Korean	9560-pao
1300-1400	Daily	Tibetan	11570-kwt 13835-db 15275-db 15470-db 17860-sai
1330-1400	Daily	Burmese	7530-tin 12140-tin
1400-1500	Daily	Cantonese	13575/13755/13795-sai
1430-1500	Daily	Cambodian	9355-sai 12140-tin
1500-1600	Daily	Chinese	9940-kwt 11675-sai
1500-1600	Daily	Tibetan	9355-db 12085-dha 13720/13790-tin
1500-1600	Daily	Chinese	13810-db
1500-1700	Daily	Korean	9910-sai 9990-tin 11985-sai
1600-1700	Daily	Chinese	7540-db 11610-tin 13570-sai 13810-db
1600-1700	Daily	Uighur	9355-db 9480-kwt 11675-tin 15700-bib
1700-1900	Daily	Korean	9990-sai 11985-sai
1700-1800	Daily	Chinese	9360-kwt 9970-sai
1800-1900	Daily	Chinese	9360-kwt 9970-sai 11745-kwt
1900-2000	Daily	Chinese	9360-kwt 9720-sai
2000-2100	Daily	Chinese	6080-tin 9360-kwt 9585-sai
2100-2200	Daily	Chinese	7435-kwt 9685-kwt
2100-2200	Daily	Korean	9540-tin 11945-sai 11985-tin
2200-2300	Daily	Tibetan	7505-db 9380-kwt 7460/7465/7470/7520/9655/9920-kwt
2230-2330	Daily	Cambodian	9940-sai 12140-tin
2300-0000	Daily	Chinese	9535-kwt 9720-kwt 15555-sai
2300-0000	Daily	Tibetan	5965-kwt 9555-db 11700-tin



Radio Martí

The Office of Cuba Broadcasting (OCB) oversees Radio and Television Martí at its headquarters in Miami, Florida, providing news, information and analysis to the people of Cuba.

Transmitter site: Greenville, North Carolina - 250 kW.

Time/UTC	Days	Language	kHz
0000-0200	Daily	Spanish	5980(tu-sa) 6030 7335 7365
0200-0300	Daily	Spanish	5980(tu-sa) 6030 7335 7365
0300-0400	Daily	Spanish	6030 7335 7435
0400-0500	Mon	Spanish	6030 7335 7435
1000-1200	Daily	Spanish	6030 7335 9805
1200-1300	Daily	Spanish	7335 7365 9805
1300-1400	Daily	Spanish	7335 7365 13605
1400-2000	Daily	Spanish	11860 11930 13605
2000-2200	Daily	Spanish	9565 11860 11930
2200-0000	Daily	Spanish	5980(mo-fr) 7335 9565 11930

Note: The DRM service that has been on 7345 kHz between 1700-0200 (50 kW) appears to be off-air.

Shortwave transmissions from Greenville NC

Edward R. Murrow Transmitting Station

The Edward R. Murrow Transmitting Station at Greenville, North Carolina (Site B) is the last remaining shortwave transmitter site used by the Voice of America that is located in the United States. As well as VOA, it is also used by Radio Martí and also currently relays Vatican Radio and KBS World Radio (Korea).

Transmitter site: Greenville, North Carolina - 250 kW.

Time/UTC	Days	Station	Language	Target	kHz
0000-0300	Daily	Radio Martí	Spanish	Cuba	5980(tu-sa) 6030 7335 7365
0100-0130	Daily	Vatican Radio	Portuguese	South America	7305
0100-0200	Daily	KBS World Radio	Spanish	South America	11880
0130-0145	Daily	Vatican Radio	Spanish	Central America, Caribbean	7305
0145-0200	Daily	Vatican Radio	Spanish	Central America, Caribbean	7305
0300-0400	Daily	Radio Martí	Spanish	Cuba	6030 7335 7435
0400-0500	Mon	Radio Martí	Spanish	Cuba	6030 7335 7435
0600-0630	Mon-Fri	Voice of America	French	West & Central Africa	9885
1000-1200	Daily	Radio Martí	Spanish	Cuba	6030 7335 9805
1100-1130	Sat	Voice of America	French	West & Central Africa	17850
1130-1145	Daily	Vatican Radio	Spanish	Central America, Caribbean	7305
1200-1300	Daily	Radio Martí	Spanish	Cuba	7335 7365 9805
1300-1400	Daily	Radio Martí	Spanish	Cuba	7335 7365 13605
1400-2000	Daily	Radio Martí	Spanish	Cuba	11860 11930 13605
1700-1800	Daily	Voice of America	English	Africa	17530
1930-2030	Daily	Voice of America	French	West Africa	17530
2000-2200	Daily	Radio Martí	Spanish	Cuba	9565 11860 11930
2030-2100	Sat/Sun	Voice of America	French	West & Central Africa	15185 15730
2130-2200	Mon-Fri	Voice of America	Bambara	West Africa	15120
2200-0000	Daily	Radio Martí	Spanish	Cuba	5980(mo-fr) 7335 9565 11930

Private U.S. Shortwave Stations

There are currently 12 private U.S. shortwave stations either active or temporarily off-air. Most either relay international broadcasters or air programming from groups or individuals, particularly religious content. These stations in call-sign order are as follows (see further below for times and frequencies of each station):

Station	Freqs currently in use
KVOH Rancho Simi, California	9975 kHz
WBCQ Monticello, Maine	6160 7490 9330 kHz
WEWN Irondale, Alabama	5970 9385 12050 15610 kHz
WHRI Furman, South Carolina	not currently on air
WINB Red Lion, Pennsylvania	9265 kHz and in DRM on 9265 & 15750 kHz
WJHR Milton, Florida	15550 kHz
WMLK Bethel, Pennsylvania	not currently on air
WRMI Okeechobee, Florida	5010 5800 5850 5950 5985 7570 7730 7780 9395 9455 9955 15770 21525 kHz
WRNO New Orleans, Louisiana	7505 kHz
WTWW Lebanon, Tennessee	5085 5830 9475 9940 12105 15810 kHz
WWCR Nashville, Tennessee	3215 4840 5890 5935 6115 7490 7520 9350 9980 12160 13845 15825 kHz
WWRB Morrison, Tennessee	5050 kHz

KVOH - Voice of Hope / La Voz de Esperanza - Americas

KVOH or the "Voice of Hope", is a non-commercial, Christian/Gospel radio station located in Rancho Simi, California, though their studios are in Los Angeles, which they claim as their home city.

Transmitter site: Rancho Simi, California - 100 kW.

Time/UTC	Days	Language	Target	kHz
0000-0200	Tue-Sun	Spanish	North, Central & South America, Caribbean	9975
0200-0700	Tue-Sun	English	North, Central & South America, Caribbean	9975

Note: details of KVOH programming can be found on their [website](#).

WBCQ - The Planet

WBCQ is a shortwave radio station operating at Monticello, Maine. The station is owned and operated by Allan Weiner, who also owns and operates WXME AM 780 kHz and WBCQ-FM 94.7 MHz at the shortwave site. The station airs talk shows and other programmes produced by commercial networks as well as former pirate radio broadcasters, including Weiner himself. In August 2020, it was reported that pending FCC approval, Weiner planned to purchase World Harvest Radio International.

Transmitter site: Monticello, Maine - 50 kW (on 6160/7470) & 250 kW (on 9330).

Time/UTC	Days	Language	Target	kHz
1600-0330	Daily	English	North & Central America, Caribbean	7490
2200-0500	Daily	English	North & Central America, Caribbean	6160
24 hours	Daily	English	Different beams (freq exclusive to World's Last Chance Radio)	9330

Note: details of WBCQ programming can be found on their [website](#).

WEWN - EWTN Shortwave Radio

WEWN is the shortwave radio outlet of the EWTN, a large Catholic international broadcaster based in Irondale, Alabama. It was launched by Mother Angelica on December 28, 1992. WEWN broadcasts from the city of Vandiver, Alabama, in the vicinity of the Birmingham metro area. There are four transmitters capable of 500 kilowatts each, but are run no higher than 250 kW. The station currently transmits English programming to Africa, Southeast Asia, the Middle East and Europe, and Spanish programming to South America, the Caribbean, Mexico and Central America. Programming is similar to that of the network's television channel.

Transmitter site: Vandiver, Alabama - 100/250 kW

Time/UTC	Days	Language	Target	kHz
0000-0900	Daily	English	West & Central Africa	9385
0000-1400	Daily	Spanish	Central & South America, Caribbean	5970
0900-1300	Daily	English	East Asia	9470 (inactive - not heard recently)
1400-0000	Daily	Spanish	Central & South America, Caribbean	12050
1900-0000	Daily	English	West & Central Africa	15610

Note: details of EWTN programming can be found on their [website](#).

WHRI - World Harvest Radio

World Harvest Radio International (WHRI) was a shortwave radio station in the United States, broadcasting conservative religious programming worldwide in the English language on a number of frequencies. Part of the Family Broadcasting Corporation Christian broadcasting group. In August 2020, it was announced that WHRI was selling its facilities at Cypress Creek, South Carolina, to Allen Weiner, owner of Monticello, Maine-based shortwave station WBCQ, pending FCC approval.

WINB Shortwave - World International Broadcasters

WINB is a brokered Christian shortwave radio station licensed to Red Lion, Pennsylvania. WINB began broadcasting in October 1962, making it the oldest private shortwave radio station in the United States that is still in operation.

Transmitter site: Red Lion, Pennsylvania, USA - 50 kW (15 kW for DRM)

Time/UTC	Days	Language	Target	kHz
0700-1100	Mon-Fri	English	Europe	9265
1100-1300	Sun	English	Central America, Caribbean	9265
1100-1700	Mon-Fri	English	Europe	15750
1300-1900	Sat/Sun	English	Central America, Caribbean	9265
1900-0300	Daily	English	Central America, Caribbean	9265
0300-0400	Mon-Sat	English	Central America, Caribbean	9265

Note: some programmes may be in Spanish; details of WINB programming can be found on their [website](#).

WJHR Radio International

WJHR is a Christian radio station in Milton, Florida.

Transmitter site: Milton, Florida - 50 kW (but reportedly operating at low power when active)

Time/UTC	Days	Language	Target	kHz
1400-2200	irregular	English	North America	15550

WMLK Radio

WMLK Radio is owned by the Assemblies of Yahweh. WMLK takes its name from MLK, representing the consonants of the Hebrew word "malak", meaning a "messenger" or angel. WMLK Radio has been off air since a fire in 2017 and is currently awaiting the installation of a new transmitter at its site in Bethel, Pennsylvania (update: on 23 April 2021, WMLK's Facebook page reported that the 300 kW Ampegon transmitter was on site waiting to be repositioned into its proper place). Further details can be found on the station's [website](#) (also see link to Facebook page for very latest info).

WRMI - Radio Miami International

WRMI (Radio Miami International) broadcasts from Okeechobee, Florida, United States. WRMI is a commercial radio station that sells airtime to businesses and organisations. It relays several international broadcasters, some religious stations, as well as original and syndicated programmes.

Transmitter site: Okeechobee, Florida - 1 x 50 kW; 12 x 100 kW.

Transmitter	Frequency	UTC	Target
WRMI-01	7780 kHz	24 hours	North America, Europe, Middle East
WRMI-02	5985 kHz	0330-0600	Central America
WRMI-03	9955 kHz	1000-1600, 2100-0400	Caribbean, South America
WRMI-04	4980 kHz	currently inactive	Caribbean, South America
WRMI-05	9455 kHz	24 hours	South-Western United States, Mexico
WRMI-06	9395 kHz	24 hours	North America
WRMI-07	21525 kHz	1400-2100	Africa (PAB's Radio Africa Network)
WRMI-08	5950 kHz	24 hours	North America
WRMI-09	15770 kHz	1100-2200	Europe, Middle East, Africa
WRMI-10	5800 kHz	1400-0430	Caribbean, South America
WRMI-11	7570 kHz	0000-1600	North America, Asia
WRMI-12	5850 kHz	2230-1600	Western North America, Asia
WRMI-13	7730 kHz	0000-1600	Western North America, Pacific
WRMI-14	5010 kHz	2300-0300, 1100-1600	Caribbean
WRMI-14	5985 kHz	0330-0600	Caribbean

Note: Some transmissions are not daily; details of WRMI's latest programming can be found on their [website](#).

Monitored WRMI Sunday Evening / Monday Morning (UTC) 7780 kHz Schedule

Richard Langley regularly monitors WRMI on a weekly basis and posts his findings to the WOR iog.

Here are Richard's observations for Sunday evening, 20-21 June 2021 UTC:

2000 His Prayer for You
2015 Moments of Inspiration
2030 Bruised But Not Broken Ministry
2045 Religious program from the British Israel World Federation (transmitter went off for about one min during this progr)
2100 Voice of the Report of the Week
2200 Radio Taiwan International in Spanish
2230 Wavescan (#643)
2300 Memphis Weirdos
2330 Shortwave Radiogram (#209)
0000 Radio Slovakia International in Slovak
0030 Radio Slovakia International in English
0100 Alameda Bible Fellowship in English (repeat of last week's program)
0130 Mike's Vintage Gospel
0145 Mike's Vintage Gospel
0200 Frank and Ernest
0215 International music (not Mike's Vintage Gospel)
0230 World of Radio (#2091)
0300 International music (including wrong frequency ID)
0330 Radio Slovakia International in English (as above)

WRNO Worldwide

WRNO (also known as WRNO Worldwide) is a commercial shortwave radio station which began international broadcasting on 18 February 1982 and continued regular broadcasting through the early 1990s from Metairie, Louisiana, with a continuation of periodic broadcasts starting in 2009. The WRNO call letters are still in use by the New Orleans station WRNO-FM; both were founded and originally owned by Joseph Costello III.

Transmitter site: New Orleans, Louisiana - 50 kW.

Time/UTC	Days	Language	Target	kHz
2200-0400	Daily	English	North America	7505

WTWW

WTWW is a shortwave station located in Lebanon, Tennessee. WTWW, according to their website, stands for "We Transmit World Wide". Two transmitters have been recently operational, one carrying religious programming from Scriptures for America on 5850 kHz and the other as an oldies station (with ham radio content as well) on 5085 kHz. In addition, Glenn Hauser reported 9940 kHz active on 30 May 2021. Owing to the highly variable nature of WTWW's operations, the HFCC registrations as per 1 June 2021 have been listed below but not all frequencies will be in use for the full duration, if at all.

Transmitter site: Lebanon, Tennessee - 1 x 50 kW, 2 x 100 kW.

HFCC registrations

Time/UTC	kHz	Target
0000-1400	5085	Central & South America, Caribbean
0000-1400	5830	North America, Europe, Africa
0000-2400	9940	Central & South America, Caribbean
0000-2400	15810	North America
1400-0200	9475	North America
1400-0600	12105	North America
1400-2400	5085	Central & South America, Caribbean

Note: details of WTWW programming can be found on their [website](#).

WWCR Shortwave

WWCR is a shortwave radio station located in Nashville, Tennessee. WWCR uses four 100 kW transmitters to broadcast on several frequencies. WWCR mainly leases out its transmitters to religious organisations and speakers, as well as serving as the shortwave home of Genesis Communications Network's programmes. However, it does air a few hours of original programming per week. F.W. Robbert Broadcasting also owns the AM stations WNQM in Nashville, WMQM and WLRM in Memphis, WITA in Knoxville, and WVOG in New Orleans. Some of WWCR's programming is also broadcast on these local stations.

WWCR-1

Transmitter site: Nashville, Tennessee - 100 kW.

Time/UTC	Days	Language	Target	kHz
0100-1100	Daily	English	ECNA, Europe, North Africa, Middle East	3215
1100-2200	Daily	English	ECNA, Europe, North Africa, Middle East	15825
2200-0100	Daily	English	ECNA, Europe, North Africa, Middle East	6115

WWCR-2

Transmitter site: Nashville, Tennessee - 100 kW.

Time/UTC	Days	Language	Target	kHz
0000-1200	Daily	English	Africa	5935
1200-1500	Daily	English	Africa	7490
1500-2000	Daily	English	Africa	12160
2000-0000	Daily	English	Africa	9350

WWCR-3

Transmitter site: Nashville, Tennessee - 100 kW.

Time/UTC	Days	Language	Target	kHz
0000-1200	Daily	English	ECNA, Europe	4840
1200-0000	Daily	English	ECNA, Europe	13845

WWCR-4

Transmitter site: Nashville, Tennessee - 100 kW.

Time/UTC	Days	Language	Target	kHz
0000-0200	Daily	English	ECNA, Caribbean, Africa	7520
0200-1200	Daily	English	ECNA, Caribbean, Africa	5890
1200-0000	Daily	English	ECNA, Caribbean, Africa	9980

Note: details of WWCR programming can be found on their [website](#).

WWRB

WWRB is a shortwave international broadcasting station known as both "World Wide Religious Broadcasting" and (to a lesser extent) "World Wide Radio Broadcasting" broadcasting from Morrison, Tennessee. It is a subsidiary of Airline Transport Communications Incorporated. The station features primarily Christian religious programming. WWRB is unusual among shortwave broadcast stations in that it does not utilise radio airtime brokers for selling airtime, instead preferring to directly rent time to clients.

Transmitter site: Morrison, Tennessee - 100 kW.

Days/Time (UTC)	Language	Target	kHz
Sat 2300 to Sun 0400	English	North America	5050
Sun 2300 to Mon 0400	English	North America	5050

Note: details of WWRB programming can be found on their [website](#).

Selected U.S. produced programmes aired on shortwave (non-religious)

Shortwave Radiogram

Shortwave Radiogram transmits digital text and images on an analog shortwave broadcast transmitter. The programme is produced and presented by Dr. Kim Andrew Elliott.

Transmitter sites: WRMI, Okeechobee, Florida - 100 kW; WINB, Red Lion, Pennsylvania - 50 kW (15 kW for DRM)

Time/UTC	Days	Language	Target	kHz
0000-0030	Sat	English	South America	9955-rmi
0230-0300	Sat	English	North America	9265-inb
0800-0830	Sun	English	North America	5850-rmi 7730-rmi
1300-1330	Fri	English	North America	15770-rmi
1330-1400	Sat	English	North America	15770-rmi
1500-1530	Fri	English	North America	15750-inb
2330-0000	Thu	English	North America	9265-inb
2330-0000	Sun	English	North America	7780-rmi

VORW International

The VORW International Podcast is "a weekly show featuring wide ranging discussion from philosophical and moral topics to social issues. From the biggest down to the smallest, this relaxing show features discussion, entertainment and perspective on it all! Hosted by TheReportOfTheWeek, YouTuber with millions of subscribers".

Transmitter sites: WRMI, Okeechobee, Florida - 100 kW.

Time/UTC	Days	Language	Target	kHz
0000-0100	Thu	English	North America	9395-rmi 9455-rmi
0130-0200	Fri	English	Central America, Caribbean	5010-rmi
0200-0300	Fri-Mon	English	North America	5850-rmi
0300-0400	Fri	English	South America	5800-rmi
0800-0900	Tue	English	North America, Pacific	5850-rmi 7730-rmi
1000-1100	Thu	English	North America	5850-rmi
1300-1400	Tue	English	Europe, Africa, Middle East	15770-rmi
2100-2200	Thu/Sun	English	North America, Europe	7780-rmi
2100-2200	Fri	English	South America	9955-rmi
2200-2300	Thu	English	South America	9955-rmi
2200-2300	Sat	English	North America	9395-rmi

From the Isle of Music

From the Isle of Music is a programme of discovery dedicated to the music of Cuba. In the spirit of the cultural programmes of the golden age of shortwave, it includes a little bit of everything from Fusion to Jazz to Música Popular Bailable to Classical, and the best of decades past right beside music being released right now. The host, Bill Tilford, has been in love with this music for a half century, and the show includes interviews with musicians. Part of the show is in English, part in Spanish.

Transmitter sites: Kostinbrod, Bulgaria (sof) - 100 kW; Rohrbach, Germany (rob) - 10 kW;

WBCQ, Monticello, Maine (bcq) - 50 kW.

Days	Time/UTC	Languages	Target	kHz
Sunday	1500-1600	English/Spanish	Europe	9400-sof
Tuesday	0000-0100	English/Spanish	North America	7490-bcq
Tuesday	1900-2000	English/Spanish	Europe	6070-rob
Saturday	1200-1300	English/Spanish	Europe	6070-rob

The show for Sunday 4 July 2021 (and repeated as above) features Maikel Dinza, winner of the Popular Dance Music category in this year's Cubadisco for his album Manigua.

Uncle Bill's Melting Pot

Uncle Bill's Melting Pot is a radio programme featuring musical genres from A to Z, comedy/novelty music. You may hear a Polka one minute, some Bluegrass or Western Swing the next, Uzbek jazz the next ...!

Transmitter sites: Rohrbach, Germany (rob) - 10 kW; WBCQ, Monticello, Maine (bcq) - 50 kW.

Days	Time/UTC	Languages	Target	kHz
Sunday	2200-2300	English	North America	7490-bcq
Monday	2300-0000	English	North America	7490-bcq (informal semi-repeat as per Glenn Hauser)
Tuesday	2000-2100	English	Europe	6070-rob
Saturday	0800-0900	English	Europe	6070-rob

Episode 223 for Sunday 4 July 2021 (and repeated as above) celebrates Independence Day in the United States with both serious and satirical songs and skits.

World of Radio

World of Radio is a weekly half-hour DX programme produced and hosted by Glenn Hauser.

Transmitter sites: WRMI, Okeechobbe, Florida (rmi) - 100 kW; WBCQ, Monticello, Maine (bcq) - 50 kW; Kostinbrod, Bulgaria (sof) - 50 kW.

Days	Time/UTC	Languages	Target	kHz
Friday	0130-0200	English	North America, Europe	5850-rmi 7780-rmi
Saturday	1300-1330	English	Europe	15770-rmi
Saturday	1800-1830	English	Europe	7290-sof
Sunday	2200-2230	English	North America	6160-bcq
Sunday	2300-2330	English	Europe	7780-rmi
Monday	0030-0100	English	North America	7730-rmi
Monday	0230-0300	English	South America, Europe	5800-rmi 7780-rmi
Wednesday	1030-1100	English	North America	5850-rmi
Wednesday	2100-2130	English	Europe	7780-rmi
Wednesday	2100-2130	English	North America, Europe	7490-bcq 7780-rmi
Wednesday	2200-2230	English	South America	9955-rmi
Thursday	0130-0200	English	Caribbean	5010-rmi

World of Radio 2093 contents (first aired on shortwave at 0130-0200 on Friday 2 July 2021 and repeated as above): Australia, Chile, China, Egypt, Ethiopia non, Greece, (Japan), Kashmir non, Korea North and non, Korea South, Madagascar, Myanmar, Netherlands, Oklahoma, Perú, Romania, Sweden, USA; propagation outlook

Texas Radio Shortwave

Texas Radio Shortwave produces and broadcasts eclectic music programming over free and non-profit radio stations in North America & Europe. TRSW's schedule for June 2021 contains four encore programmes from TRSW's early days as a radio pirate. These radio adventures originally aired on MW from the late-'30s through the mid-'50s. TRSW "broadcast" them in early 2020 before it began airing its programmes on WRMI, WBCQ, and Channel 292 in Germany.

Transmitter sites: Channel 292, Rohrbach, Germany (rob) - 10 kW; WRMI, Okeechobee, Florida - 100 kW; WBCQ, Monticello, Maine (bcq) - 50 kW.

Programmes for 2-5 July 2021:

<i>Date</i>	<i>Time</i>	<i>Station</i>	<i>kHz</i>	<i>Programme</i>
2 July 2021	2300 UTC	Channel 292	9670	TRSW Special: Marcia Ball (Test for NAM)
3 July 2021	0200 UTC	WRMI	5800	TRSW Special: Radio Igloo
4 July 2021	0100 UTC	WRMI	5950	TRSW Prime: Marcia Ball *
5 July 2021	0200 UTC	WRMI	9395	TRSW Encore: America Proud!

Texas Radio Shortwave will host a series of one-hour programmes by European free-radio and low-power licensed stations during July and August.

The programmes will be broadcast at 0200 UTC on Saturday by WRMI, Okeechobee, Florida, on 5800 kHz.

Dates and featured stations are as follows:

3 July	Radio Igloo, Sweden
10 July	Charleston Radio International, Germany
17 July	Radio Merlin, UK
24 July	Radio Monique International, The Netherlands
31 July	CoolAm Radio, The Netherlands
7 August	Cupid Radio, The Netherlands
14 August	Free Radio Service- Holland, The Netherlands
21 August	Atlantic 2000 International, France
28 August	Radio Delta International, The Netherlands.

Shortwave pirate

YHWH

YHWH is a US-based religious pirate radio station that is widely heard in North America.

Location: Walt Salmani commented on 25 June 2021 on WOR iog "I tried DFing the station via KiwiSDRs. Widely various locations, including off-shore California and the east coast!!! 2 continental sites: 41.90-105.15 (north of Denver/ Fort Collins CO), and 45.50-101.50 (northern S Dakota). Your guess!"

Time/Days	Language	kHz
irregular	English (preaching)	7475

Central America & the Caribbean

Anguilla

Caribbean Beacon (University Network)

Caribbean Beacon has been inactive since the devastating hurricanes that swept through the region in 2017. The shortwave transmitters were installed in 1991 by Dr Gene Scott, who bought the station in 1996 (then operating with two mediumwave transmitters) for his University Network operation. Work is currently ongoing to return the station to the air on both mediumwave and shortwave.

Cuba

Radio Progreso

Radio Progreso airs music and cultural programmes throughout Cuba. It uses a 50 kW shortwave transmitter at Bejucal that provides reception throughout the Caribbean and beyond. The slogan of Radio Progreso is "La Onda de la Alegria".

Transmitter site: Bejucal - 50 kW.

Time/UTC	Days	Language	kHz
0030-0400	Daily	Spanish	4765

Radio Rebelde

Radio Rebelde (English: Rebel Radio) broadcasts 24 hours a day with a varied programme of national and international music, news reports and live sport events. The station was set up in 1958 by Che Guevara in the Sierra Maestra region of eastern Cuba, and was designed to broadcast the aims of the 26th of July Movement led by Fidel Castro. Transmitting on shortwave, Radio Rebelde also broadcast the latest combat news, music and spoken literature to the people of Cuba during the Cuban Revolution. Today, Radio Rebelde has forty-four transmitters on the FM dial covering 98 percent of the island of Cuba, plus a shortwave signal 5025 kHz and several AM transmitters on various frequencies, most commonly 530, 540, 550, 560, 600, 610, 620, 670, 710, and 770 kHz.

Transmitter site: Bauta - 100 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish	5025

Radio Habana Cuba

Radio Habana Cuba (RHC) is the official government-run international broadcasting station of Cuba. It can be heard in many parts of the world on shortwave. Located on Havana's Avenida Infanta, the offices of Radio Habana Cuba share a facility with Radio Progreso and Radio Musical Nacional. Currently, RHC broadcasts in nine languages: Spanish, English, French, Portuguese, Arabic, Quechua, Guarani, Creole and Esperanto, 24 hours a day, with a varied programming that includes news, music and features. RHC's English-language broadcasts are heavily centered on the United States and feature news items that uniformly adversely reflect upon the U.S. government and the current administration, especially its foreign policies.

Transmitter sites: Bauta (bau) - 100 kW; Bejucal (bej) - 50/100 kW; Titan Quivican (qvc) - 250 kW.

Time/UTC	Days	Language	Target	kHz
0000-0030	Daily	Creole	Caribbean	5040-bau
0000-0030	Daily	French	South America	15730-bej
0000-0200	Daily	English	North America	6000-qvc 6165-bau
0000-0100	Daily	Spanish	Americas	6060-bau 9535-bej 9650-bej 11670-bau 11760-bau 11850-qvc 13740-bau 15230-qvc
0030-0100	Daily	French	Caribbean	5040-bau
0100-0200	Daily	English	North America	6000-qvc 6165-bau
0100-0200	Daily	Spanish	Americas	5040-bau 6060-bau 9535-bej 9650-bej 11670-bau 11760-bau 11850-qvc 13740-bau 15230-qvc
0200-0400	Daily	Spanish	Americas	5040-bau 6000-qvc 6060-bau 6165-bau 9535-bej 9650-bej 11670-bau 11850-qvc 13740-bau 15230-qvc
0400-0500	Daily	English	North America	6000-qvc 6165-bau
0400-0500	Daily	Spanish	Americas	5040-bau 6060-bau 9535-bej 11850-qvc 15230-qvc
0500-0600	Daily	English	Americas	5040-bau 6000-qvc 6060-bau 6100-bau 6165-bau
0600-0700	Daily	English	North America	6060-bau 6100-bau
0700-0730	Sun	Esperanto	North America	6100-bau
1100-1200	Daily	Spanish	Americas	6000-qvc 6100-bau 9535-bej 9650-bej 11760-bau 13740-bau 15140-bau
1200-1300	Daily	Spanish	Americas	6000-qvc 6100-bau 9535-bej 9650-bej 11760-bau 13740-bau 15140-bau 15230-qvc
1300-1400	Daily	Spanish	Americas	6000-qvc 9535-bej 9650-bej 11760-bau 13700-bau 13740-bau 15140-bau 15230-qvc

1400-1500	Daily	Spanish	Americas	9535-bej 9650-bej 11760-bau 13700-bau 15140-bau 15230-qvc
1500-1530	Mon-Sat	Spanish	North America	11760-bau 15140-bau
1500-1530	Sun	Esperanto	North America	11760-bau 15140-bau
1530-1800	Daily	Esperanto	North America	11760-bau 15140-bau
1800-1830	Daily	Arabic	North America	15140-bau
1830-1900	Daily	Creole	North America	15140-bau
1900-2000	Daily	English	North America	15140-bau
1930-2000	Daily	French	Europe	15370-bau
2000-2030	Daily	French	North America	15140-bau
2000-2030	Daily	Portuguese	Europe	15370-bau
2030-2100	Daily	Arabic	N Africa, M East	15370-bau
2100-2300	Daily	Spanish	Americas	5040-bau 9535-bej 9650-bej 11760-bej 11850-qvc 13740-bau
2100-2300	Daily	Spanish	Europe	15370-bau
2200-2230	Daily	French	Africa	11880-bau
2200-2300	Daily	Portuguese	South America	15230-qvc
2230-2300	Daily	Portuguese	Africa	11880-bau
2230-2300	Mon-Sat	French	South America	15730-bej
2230-2300	Sun	Esperanto	South America	15730-bej
2300-2330	Daily	Creole	South America	15730-bej
2300-0000	Daily	English	Caribbean Africa	5040-bau 11880-bau
2300-0000	Daily	Spanish	Americas	6060-bau 9535-bej 9650-bej 11670-bau 11760-bej 11850-qvc 13740-bau 15230-qvc
2330-0000	Daily	Portuguese	South America	15730-bej

Radio Habana Cuba is known to have almost daily variations (or errors) in its operational schedule. Some frequencies may have different languages to those scheduled, some frequencies may be missing or maybe on air beyond their usual time. Ivo Ivanov regularly notes these in his blog, along with any other changes to the schedule - please check the [Bulgarian DX Blog](#).

Mesa Redonda Internacional

Mesa Redonda Internacional (Spanish for "International Round Table") is a Latin American news analysis talkshow broadcast by teleSUR live from Havana, Cuba, on Thursday nights. The programme is, according to the description given of it in the network's website, "a television program for the integration of various forms of (political and social) thought throughout our continent" (Latin America). The programme is relayed by Radio Habana Cuba at 2300-0000 as below.

Transmitter sites: Bauta (bau) - 100 kW; Titan Quivican (qvc) - 250 kW.

Time/UTC	Days	Language	Target	kHz
2300-0000	Mon-Thu	Spanish	North America	6000-qvc 11950-bau



International relays on shortwave

China Radio International

China Radio International (CRI) is a state-owned international radio broadcaster of China. The relay from Cuba is for listeners in the Americas.

Transmitter sites: Titan Quivican - 250 kW.

Time/UTC	Days	Language	Target	kHz
0000-0100	Daily	Spanish	Caribbean, Central & South America	5990 15120
0100-0200	Daily	English	North America	9580
0200-0300	Daily	Chinese	North America	9580
0300-0400	Daily	English	North America	9790
0400-0500	Daily	Cantonese	North America	9790
1200-1300	Daily	Cantonese	North America	9570
1500-1600	Daily	English	North America	11880
2300-0000	Daily	English	Caribbean, Central America	5990
2300-0000	Daily	Portuguese	South America	13650

Target broadcasts to Cuba on shortwave

Radio Martí

The Office of Cuba Broadcasting (OCB) oversees Radio and Television Martí at its headquarters in Miami, Florida. The Martí are a multimedia hub of news, information and analysis that provide the people of Cuba with interactive programs seven days a week through satellite television and shortwave and AM radio, as well as through flash drives, emails, DVDs, and SMS text. Combined with the online platform, martinoticias.com, the Martí are a one-of-a-kind service that brings unbiased, objective information to all Cubans.

Transmitter site: Greenville, North Carolina - 250 kW.

Time/UTC	Days	Language	kHz
0000-0200	Daily	Spanish	5980(tu-sa) 6030 7335 7365
0200-0300	Daily	Spanish	5980(tu-sa) 6030 7335 7365
0300-0400	Daily	Spanish	6030 7335 7435
0400-0500	Mon	Spanish	6030 7335 7435
1000-1200	Daily	Spanish	6030 7335 9805
1200-1300	Daily	Spanish	7335 7365 9805
1300-1400	Daily	Spanish	7335 7365 13605
1400-1700	Daily	Spanish	11860 11930 13605
1700-2000	Daily	Spanish	11860 11930 13605
2000-2200	Daily	Spanish	9565 11860 11930
2200-0000	Daily	Spanish	5980(mo-fr) 7335 9565 11930

Radio Republica

The Cuban Democratic Directorate (Directorio Democrático Cubano) is a non-governmental organisation that supports the human rights movement in Cuba. The Directorio operates Radio Republica, with programming focused on internal Cuban social dynamics and features extensive coverage of the opposition movement, international news relating to Cuba, and social issues on the island.

Transmitter site: Issoudun, France - 150 kW.

Time/UTC	Days	Language	kHz
0100-0200	Daily	Spanish	9490
0200-0300	Fri-Mon	Spanish	9490

Guatemala

Radio Verdad

Radio Verdad (English: Radio Truth) is an evangelical radio station founded by Dr. Édgar Amílcar Madrid Morales in 1967. Rafael Borthwick, an engineer from Canada, repaired the shortwave transmitter in 2010.

Transmitter site: San Esteban - 0.5 kW (probably operating at slightly lower power).

Time/UTC	Days	Language	kHz
0910-0600v	Daily	Spanish/English	4055

Note: English programmes are aired at 0300-0400 and 0500-0600.

Mexico

Radio Educación - Cultura México Señal Internacional (XEPPM-OC)

Radio Educación is a cultural radio station in Mexico, based in Mexico City. Radio Educación airs Spanish-language cultural and educational programming. The primary broadcast signal is XEEP- AM 1060 kHz. Radio Educación also operates a shortwave station, XEPPM-OC on 6185 kHz, as well as FM stations. Radio Educación is an independent agency of the Secretariat of Culture, which was created in 2015. Prior to then, it was operated by the Secretariat of Public Education in cooperation with the National Council for Culture and Arts.

Transmitter site: México City - 10 kW.

Time/UTC	Days	Language	kHz
2300-1100v	Daily	Spanish	6185



South America

Argentina

RAE Argentina al Mundo

RAE Argentina al Mundo (English: RAE Argentina to the World), previously known as Radiodifusión Argentina al Exterior or RAE, is Argentina's state-owned international broadcaster. It no longer broadcasts over its own shortwave transmitters, but is now being relayed by Radio Miami International in Florida. The latest schedule below was posted by RAE on their Facebook page on 30 April 2021.

Transmitter site: relays via WRMI (Radio Miami International), Okeechobee, Florida, USA - 100 kW.

UTC	Days	Language	Target (as per RAE)	kHz
0200	Wed	Portuguese	South America	5800
0200	Thu	English	North America	5800
0200	Fri	French	North America & Europe	5800
0200	Sat	Italian	North America & Europe	5800
0800	Thu/Sat	Japanese	North America & Asia	9455
0900	Thu/Sat	Chinese	North America & Asia	9455
1600	Mon/Thu	German	North America & Europe	7780



Bolivia

In the mass media in Bolivia there are nearly 200 privately owned television stations, but because rural regions of the country have few televisions and television reception is poor in many areas of the country, radio remains an important news disseminator. At last count, Bolivia had more than 480 radio stations, most of which were regional in scope. Bolivia also has eight national newspapers, to go along with many local ones. Of the national papers, four are based in La Paz, three in Santa Cruz, and one in Cochabamba. Most Bolivians continue to get their news from newspapers and radio broadcasts.

Bolivian shortwave radio stations

The following Bolivian radio stations (in frequency order) currently on broadcast on shortwave (further information on each of the stations can be found further below):

kHz	Station, location, power
3310	Radio Mosoj Chaski, Cotapachi - 10 kW
5935	Radio Yura, Yura - 1 kW
5952.5	Radio Pio XII, Siglo XX, Llallagua - 5 kW
6135v	Radio Santa Cruz, Santa Cruz de la Sierra - 10 kW

Details of each station operating on shortwave are given below in alphabetical order:

Radio Mosoj Chaski

Mosoj Chaski is a ministry that communicates the Word of God in the Quechua language for the growth and maturity of the Quechua people and the Quechua Church. Their mission is to use different forms of media to communicate the Word of God, providing opportunities for discipleship and leadership development which will prepare the Quechua believers to live out their faith in their cultural context.

Transmitter site: Cotapachi - 10 kW.

Time/UTC	Days	Language	kHz
0900-1300	Daily	Quechua/Spanish	3310
2200-0100	Mon-Fri	Quechua/Spanish	3310
2200-0130	Sat/Sun	Quechua/Spanish	3310

Note: sign-on/sign-off times may vary slightly.



Radio Pio XII, Siglo XX

Radio Pio XII, Siglo XX is located in the Siglo XX mining district in the north of the department of Potosí and is part of the Catholic network of Pio XII radio stations that broadcast in various departments of Bolivia. Pope Pius XII (Italian: Pio XII) was head of the Catholic Church and sovereign of the Vatican City State from 2 March 1939 until his death in 1958. Before his election to the papacy, he served as secretary of the Department of Extraordinary Ecclesiastical Affairs, papal nuncio to Germany, and Cardinal Secretary of State, in which capacity he worked to conclude treaties with European and Latin American nations.

Transmitter site: Llallagua - 5 kW.

Time/UTC	Days	Language	kHz
1000-1400	Daily	Spanish/Quechua	5952.5
2100-0100	Daily	Spanish/Quechua	5952.5
0100-0200	Daily	Aymara	5952.5
0200-0230	Daily	Spanish/Quechua	5952.5

Note: sign-on/sign-off times may vary slightly.



Radio Santa Cruz

Radio Santa Cruz is operated by Fundación "Instituto Radiofónico Fe y Alegría" (IRFA), an institution dedicated to the education of Bolivian adolescents, youth and adults, through the radio system of its programme "El Maestro en Casa". It offers formal education at the literacy and primary levels, training courses for volunteer teacher guides, who provide the service to the students of the programme. Its mission states "We are an institution of the Society of Jesus with an Ignatian spirit, specialized in education and communication. We commit our work with the less favored sectors of the east and the Bolivian Chaco. We produce educational messages to contribute to the construction of a society with development, comprehensive, educated, fair and equitable". IRFA is based in Santa Cruz and its coverage extends to 25 municipalities in this department, in addition to several municipalities in Beni, Pando, Potosí, the Chuquisaqueño and Tarijeño Chaco.

Transmitter site: Santa Cruz de la Sierra - 10 kW.

Time/UTC	Days	Language	kHz
1100-0200	Daily	Spanish/Aymara	6135v

Note: times of operation may be extended if a local football match is being covered.

Radio Yura

Radio Yura is located in the town of Yura, Provincia Antonio Quijarro, Departamento de Potosí. The project to set up the radio station was launched in 1995 by Catholic TV station Canal 18. Radio Yura first appeared on shortwave in spring 2000. The radio station is dedicated to preserving what is left of the original culture, which has practically disappeared in parts of the Bolivian altiplano, but appears almost intact in the region of Yura. A special feature of this culture is an organisational form called the ayllu. The station is catering to the needs of the local population and thus uses the slogan La Voz de los Ayllus.

Transmitter site: Yura - 1 kW.

Time/UTC	Days	Language	kHz
2240-0100	Daily	Spanish	5935

Note: sign-on/sign-off times may vary slightly.

Brazil

Empresa Brasil de Comunicação

Empresa Brasil de Comunicação (Brazil Communication Company), aka EBC, is a Brazilian public company, created in 2007 to manage the federal government's broadcast network, TV Brasil. EBC is responsible for the content and management of TV Brasil, TV Brasil Internacional, eight EBC radio stations (Rádio Nacional do Rio de Janeiro, Rádio Nacional AM de Brasília, Rádio Nacional FM de Brasília, Rádio Nacional da Amazônia, Rádio Nacional do Alto Solimões, Rádio MEC AM do Rio de Janeiro, Rádio MEC FM do Rio de Janeiro, e Rádio MEC AM de Brasília), the news agency Agência Brasil, audio news agency Radioagência Nacional and the EBC Portal. As part of the services provided by the holding, EBC is responsible for the government's official channel TV NBR, and the radio programme A Voz do Brasil.

A Voz do Brasil

A Voz do Brasil ("The Voice of Brazil") is a governmental radio programme in Brazil produced by Empresa Brasil de Comunicação, the country's public broadcaster. The programme must be aired at any one-hour slot between the time frame of 1900 to 2200 local time by all Brazilian radio stations every weeknight excluding national holidays and other occasions. It is the oldest radio programme in the country and the longest-running in the Southern Hemisphere. All of the shortwave stations listed below will air A Voz do Brasil.



Brazilian shortwave radio stations

The following Brazilian radio stations (in frequency order) have broadcast on shortwave in the last year or two. However, some may now be inactive and are currently being checked; frequencies may vary slightly from the nominal stated (further information on each of the stations can be found further below):

kHz	Station, location, power
4775	Rádio Congonhas, Congonhas - 1 kW (not currently heard)
4875	Rádio Roraima, Boa Vista - 10 kW (not currently heard)
4884	Rádio Difusora Acreana, Rio Branco - 5 kW
4885	Rádio Clube do Pará, Belém - 10 kW
4905	Rádio Relógio Federal, São Gonçalo - 5 kW
4925	Rádio Educação Rural de Tefé, Tefé - 5 kW
4965	Rádio Alvorada de Parintins, Parintins - 5 kW
4985	Rádio Brasil Central, Goiânia - 10 kW
5035	Rádio Educação Rural de Coari, Coari - 5 kW
5940	Rádio Voz Missionaria, Camboriú - 10 kW
6010	Rádio Inconfidência, Belo Horizonte - 5 kW
6080	Rádio Marumby, Curitiba - 10 kW
6135	Rádio Aparecida, Aparecida - 25 kW
6160	Rádio Rio Mar, Manaus - 7.5 kW
6160	Super Rede Boa Vontade, Porto Alegre - 1 kW
6180	Rádio Nacional da Amazônia, Brasília - 250 kW (not currently heard)
9550	Super Rede Boa Vontade, Porto Alegre - 10 kW
9665	Rádio Voz Missionaria, Camboriú - 10 kW
9819	Rádio Nove de Julho, São Paulo - 10 kW
11780	Rádio Nacional da Amazônia, Brasília - 250 kW
11815	Rádio Brasil Central, Goiânia - 7.5 kW
11895	Super Rede Boa Vontade, Porto Alegre - 10 kW
15190	Rádio Inconfidência, Belo Horizonte - 5 kW

Details of each station operating on shortwave are given below in alphabetical order:

Rádio Alvorada de Parintins

Rádio Alvorada de Parintins belongs to the Diocies of Parintins, a municipality in the far east of the state of Amazonas. It is also part of a micro-region also named Parintins. It broadcasts on 1380 and 4965 kHz.

Transmitter site: Parintins - 5 kW.

Time/UTC	Days	Language	kHz
2200-0200	Daily	Portuguese	4965

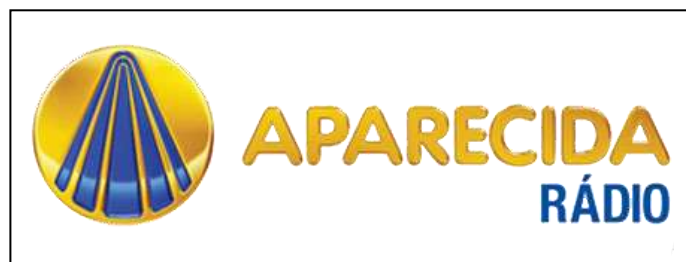
Rádio Aparecida

Rádio Aparecida is based in Aparecida, a city in the state of São Paulo. It operates on AM, FM and shortwave. The station belongs to Rede Aparecida de Comunicação and it heads Catholic Radio Network (RCR), where programmes are sent via satellite to partner broadcasters.

Transmitter site: Aparecida - 25 kW.

Time/UTC	Days	Language	kHz
0830-0400	Daily	Portuguese	6135

Célio Romais sent the following to Glenn Hauser on 22 May 2021: "It has been a while since Rádio Aparecida turned off its transmitters on 5035, 9630 and 11855 kHz. Remains on the air, only 6135. Meanwhile there are rumors that this channel could also be silenced by December of this year, motivated by the pandemic crisis and low audience on SW. Therefore, if you do not yet have a printed QSL from the station, get busy! Send a reception report to the station by p-mail to Caixa Postal 2, CEP 12.570-0970, Aparecida (SP), Brazil. [gh's translation] (WOR iog, 22 May 2021)



Rádio Brasil Central

Rádio Brasil Central (RBC) is located in Goiânia, in the state of Goiás. It operates on 1270, 4985 and 11815 kHz, and FM, and in the case of the two shortwave frequencies reaches across Brazil, which has given it recognition throughout the country. It has a diverse programme, with emphasis on country music, journalism and sports (the radio's sports team is known as Escreta de Ouro). It is a broadcaster belonging to the Government of the State of Goiás.

Transmitter site: Goiânia - 10 kW on 4985 kHz; 7.5 kW on 11815 kHz.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	4985 11815

Rádio Clube do Pará

Rádio Clube do Pará is based in Belém, capital of the state of Pará. It operates to belongs to Grupo RBA de Comunicação. Founded in 1928, it is the pioneer of the state and also of the North Region of Brazil. Its studios are at the headquarters of Grupo RBA de Comunicação in Marco, and its transmitters are in the Guanabara neighborhood, within the Utinga Environmental Park. It operates on 690 and 4885 kHz, and FM.

Transmitter site: Belém - 10 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	4885

Rádio Congonhas

Rádio Congonhas is operated by Fundação Radiodifusora de Congonhas from the city of Congonhas, Minas Gerais in southeastern Brazil. It migrated from AM to FM in 2019. It had operated on 4775 kHz but may now be inactive.

Transmitter site: Congonhas - 1 kW.

Time/UTC	Days	Language	kHz
0800-0400	Daily	Portuguese	4775v - possibly inactive

Note: checked 5 July 2021 at 2200 UTC using the near local SDR at Pardinho, but only Radio Tarma in Peru was heard.

Rádio Difusora Acreana

Rádio Difusora Acreana is located in Rio Branco, the capital city of the state of Acre in the west of the North Region of Brazil. Its programming consists of local, national and international news, reports, sport, music and other entertainment.

Transmitter site: Rio Branco - 5 kW.

Time/UTC	Days	Language	kHz
0900-0400	Daily	Portuguese	4884

Note: sign-on/sign-off time may vary slightly.

Rádio Educação Rural de Coari

Rádio Educação Rural de Coari (5035 kHz) and Rádio Coari AM 560 are owned by the Santíssimo Redentor Foundation serving the Roman Catholic Diocese of Coari in the Amazon region. The organisation provides programmes on training, information and entertainment for the local population.

Transmitter site: Coari - 5 kW.

Time/UTC	Days	Language	kHz
0900-2300	Daily	Portuguese	5035

Rádio Educação Rural de Tefé

On the air since 1963, Rádio Educação Rural, located in Tefé, a municipality in the state of Amazonas, northern Brazil, belongs to the Prelature of Tefé. The mission of the station is to educate, inform and entertain listeners.

Transmitter site: Tefé - 5 kW.

Time/UTC	Days	Language	kHz
1030-1600	Daily	Portuguese/Indigenous	4925
2000-0330	Daily	Portuguese/Indigenous	4925

Rádio Inconfidência

Rádio Inconfidência, commonly Inconfidência is a radio station broadcasting on AM 880 and 100.9 FM, as well as shortwave, serving Belo Horizonte, Minas Gerais and the central portion of the state in Brazil. The station includes talk radio mainly during the mornings, Brazilian and foreign music, news and sports.

Transmitter site: Belo Horizonte - 5 kW on both 6010 & 15190 kHz.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	6010 15190

Rádio Marumby

Rádio Marumby is a radio station licensed in Campo Largo, but headquartered in Curitiba, respectively the city and capital of the state of Paraná. It operates on AM 730 and 88.5 FM and currently on 6080 kHz shortwave. The station belongs to the lensen Communication System and broadcasts religious programmes.

Transmitter site: Curitiba - 10 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese/Spanish	6080

Rádio Nacional da Amazônia

Rádio Nacional (National Radio) is a Brazilian radio network belonging to the government-owned corporation EBC (Empresa de Comunicação, Brazil Communication Company), formerly known as Radiobrás. Rádio Nacional da Amazônia on shortwave 6180 and 11780 kHz provides speech programming, news, music, radio drama and a service to the Amazon region.

Transmitter site: Brasilia - 250 kW on both 6180 & 11780 kHz.

Time/UTC	Days	Language	kHz
1100-0300	Daily	Portuguese	11780 (6180 appears to be inactive at present)

Rádio Relógio Federal

Rádio Relógio (also known as Rádio Relógio Federal) is headquartered in Rio de Janeiro, capital of the state of the same name. It operates 580 and 4905 kHz, and also FM, and belongs to the International Communication Foundation, the media arm of the International Church of the Grace of God. Its studios are in the church temple in the Taquara neighbourhood its transmission antenna is in Jardim Catarina, São Gonçalo.

Transmitter site: São Gonçalo - 5 kW.

Time/UTC	Days	Language	kHz
0730-0300	Daily	Portuguese	4905

Rádio Rio Mar

Rádio Rio Mar is based in Manaus, the capital and largest city of the Brazilian state of Amazonas, and belongs to the Archdiocese of Manaus. It is a partner of the Catholic Radio Network (RCR). Rádio Rio Mar has migrated from AM to FM but continues to operate a shortwave transmitter on 6160 kHz.

Transmitter site: Manaus - 7.5 kW.

Time/UTC	Days	Language	kHz
0900-1400	Daily	Portuguese	6160

Rádio Roraima

Rádio Difusora Roraima is located in Boa Vista, the capital of the state of Roraima in northern Brazil. It has been on air since 1957, carrying information, music and entertainment.

Transmitter site: Boa Vista - 10 kW.

Time/UTC	Days	Language	kHz
0800-0400	Daily	Portuguese	4875 - possibly inactive

Note: checks made by Tony Rogers since 16 May 2021 using the TWR SDR in Boa Vista have shown Rádio Roraima to be absent on 4875 kHz during the time it is scheduled (0800-0400 UTC). The mediumwave outlet on 590 kHz is heard loud and clear and does announce 4875 kHz at 2300 UTC straight after the conclusion of "Voz do Brasil".

Rádio Voz Missionaria

Rádio Voz Missionaria is based in Camboriú, a municipality in the state of Santa Catarina in the South region of Brazil. The station's mission is to "lead the preaching of the genuine gospel of the Word of God based on the Holy Bible, as well as good information and entertainment" and to "reach affiliates who maintain missionary work through Last Minute Missionary Gideons" (as translated into English). They also stated their "goal is also to be helpers with social work for the poor and to provide assistance to the needy both in Brazil and abroad". Their website refers to 5940, 9665 and 11750 kHz, although the latter is believed to be inactive.



Transmitter site: Camboriú - 10 kW on both 5940v & 9665v kHz.

Time/UTC	Days	Language	kHz
0800-2100	Daily	Portuguese	9665v
2100-0800	Daily	Portuguese	5940v 9665v

Super Rede Boa Vontade

Super Rede Boa Vontade (Super Good Will Radio) is a station based in Esteio, Rio Grande do Sul. The radio station is owned by the Super Rede Boa Vontade de Rádio, a network of radio stations belonging to Legião da Boa Vontade (LBV), an organisation chaired by José de Paiva Netto. It transmits statewide programming, but also has local programmes (with the Comando da Esperança, Momento Esportivo e Viver é Melhor) for the whole of Greater Porto Alegre on AM 1300 and for all of Brazil on shortwave.

Transmitter site: Porto Alegre - 10 kW on 9550 & 11895 kHz; 1 kW on 6160 kHz.

Time/UTC	Days	Language	kHz
0700-0200	Daily	Portuguese	6160 9550 11895
0200-0700	Daily	Portuguese	6160 9550

Rádio Nove de Julho

Rádio Nove de Julho is a radio station located in São Paulo belonging to the Archdiocese of São Paulo. It operates on 1600 kHz and shortwave 9820 kHz.

Transmitter site: São Paulo - 10 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Portuguese	9820v

DRM Tests from Brasilia

In late November 2020, at the initiative of the University of Brasilia and the Ministry of Science, Technology and Innovation, together with EBC, DRM tests were started with programming from Rádio Nacional da Amazônia. The antennas were located in Brasília and the transmissions were on 11910 kHz with a 2.5 kW transmitter, developed and produced in Porto Alegre by BT Transmitters. The transmitter was located at the public broadcaster Empresa Brasil de Comunicação HF's transmission site in Rodeador, near the capital, Brasília. On air with 1 kW of power, the sender was irradiating from a huge HRS 4/4/0.5 antenna beamed to the north. The initial round of tests have now been concluded.

Chile

Radio Triunfal Evangélica

Radio Triunfal Evangélica is an evangelical radio station in Talagante that has been on air since 1988.

Transmitter site: Talagante - 0.5 kW.

Time/UTC	Days	Language	kHz
2200-0000v	Fri-Wed	Spanish	5825



Radio Compañía Worldwide

Radio Compañía Worldwide (RCW) is an unlicensed international Chilean radio service located in San Francisco, Chile. The says "it is a FREE radio station that was born from the unfortunate and constant disappearance of "Onda Corta" stations, whose mission is to keep Chile in the HF bands and to disseminate cultural, informative and musical programming. RCW is the only station in the country that currently broadcasts on shortwave. In the creation of RCW, it is undeniable to recognise that it was inspired by the old Dutch RNW Radio Nederland Wereldomroep, its clear influence being noticeable in our programming and corporate figure".

Transmitter sites: San Francisco - RCW's shortwave transmitting centres are named after Chilean heroes: General Carrera Station, currently in service, has a power of 45 AM watts (0.045 KW) with an extended dipole antenna for the 43 and 41 meter band. This station is equipped to emit up to 1 kW of effective power from 49, 43 and 41 meters bands (the Rodríguez Erdoiza Station, currently in standby, has a power of 45 Watts AM (0.045 KW) with a G5RV inverted V-type dipole antenna capable of emitting in bands of 90, 75, 49 and 41 meter band. This station is powered to excite up to 150 effective watts).

Time/UTC	Days	Language	kHz
varies	irregular	Spanish	6210

Note: other frequencies that may be used include 5810, 6925 and 7610 kHz.

Colombia

La Montaña Colombia

La Montaña Colombia is reported to be located in Maicao, a city and municipality in the Department of La Guajira, northern Colombia. It is located 76 km from Riohacha, the capital of the department and is the second largest urban center near the border with Venezuela, after the city of Cúcuta. It has been heard on shortwave 4940 kHz with evangelical programmes.

Transmitter site: Maicao - 1 kW.

Time/UTC	Days	Language	kHz
2230-1000	Daily	Spanish/Indigenous	4940

Ecuador

Vozandes Media

Vozandes Media emerged in 2009 from the German-language service of Radio HCJB, the Voice of the Andes, after the German-language work there was discontinued. German-language programmes were produced every day until the end of 2016 and broadcast via shortwave, Astra satellite and the Internet. After no new employees were found, the broadcasts had to be stopped. Today, Vozandes oversees the infrastructure to broadcast programmes in various Indian languages in the regions of Ecuador, Colombia and Peru via shortwave.

Transmitter site: Pico Pichincha, Quito - 10 kW.

Time/UTC	Days	Language	kHz	Time/UTC	Days	Language	kHz
0923-1045	Daily	Quechua	6050	0130-0145	Daily	Quechua	6050
1045-1100	Wed-Sun	Quechua	6050	0145-0200	Thu-Mon	Quechua	6050
1045-1100	Mon/Tue	Spanish	6050	0145-0200	Tue-Wed	Spanish	6050
1100-1130	Sat/Sun	Quechua	6050	0200-0232	Daily	Quechua	6050
1100-1130	Mon-Fri	Spanish	6050	0232-0500	Sat	Spanish	6050
1130-1402	Daily	Spanish	6050	0400-0430	Sat	German	6050
2100-2130	Daily	Spanish	6050	0500-0530	Sat	German	6050
2130-2200	Daily	Cha-palaa	6050				
2200-2315	Daily	Quechua	6050				
2315-2330	Tue-Sun	Quechua	6050				
2315-2330	Mon	Spanish	6050				
2330-0000	Daily	Shuar	6050				
0000-0030	Daily	Cofan	6050				
0030-0100	Daily	Waorani	6050				
0100-0130	Sun/Mon	Quechua	6050				
0100-0130	Tue-Sat	Spanish	6050				



Peruvian shortwave radio stations

The following Peruvian radio stations (in frequency order) currently on broadcast on shortwave (further information on each of the stations can be found further below):

kHz Station, location, power

4764	Radio Huanta 2000, Huanta - 0.5 kW
4775v	Radio Tarma, Tarma - 1.5 kW
4810	Radio Logos, Chazuta - 1 kW
4920v	Radio La Voz del Pueblo, Santiago de Chuco - 1 kW
4940	Radio San Antonio, Villa Atalaya - 1 kW
4955	Radio Cultural Amauta, Huanta - 5 kW
5025	Radio Quillabamba, Quillabamba - 5 kW
5980	Radio Chaski, Urubamba - 5 kW
6175v	Radio Tawantinsuyo, Cusco - 1 kW

Details of each station operating on shortwave are given below in alphabetical order:

Radio Chaski

Radio Chaski is a religious radio station in Urubamba, a small town near the Urubamba River under the snow-capped mountain Chicón. Located one hour from Cusco, Urubamba is the largest town in the Sacred Valley of the Incas. It is also located near a number of significant ruins of the Inca Empire, including Machu Picchu. The sparse remains of the Inca palace, Quispiguanca, are within the town. It broadcasts on shortwave 5980 kHz.

Transmitter site: Urubamba - 5 kW.

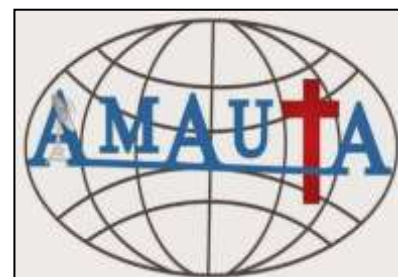
Time/UTC	Days	Language	kHz
1000-1500	Daily	Spanish/Quechua	5980
2200-0100	Daily	Spanish/Quechua	5980

Radio Cultural Amauta

Radio Cultural Amauta is a radio station based in Huanta in Central Peru, capital of the province Huanta in the region Ayacucho. They say they "are a means of communication that disseminates Christian principles and values, contributes to the moral, spiritual and civic development of Quechua and Spanish-speaking families". Radio Culutral Amauta operates on shortwave 4955 kHz and FM.

Transmitter site: Huanta - 5 kW.

Time/UTC	Days	Language	kHz
1000-1400	Daily	Spanish/Quechua	4955
2100-0200	Daily	Spanish/Quechua	4955



Radio Huanta 2000

Radio Huanta 2000 is located in Huanta, a town in Central Peru, capital of the province Huanta in the region Ayacucho. Regular programming consists of news and varied music, as well as special cultural programmes at weekends. It broadcasts on shortwave 4764 kHz.

Transmitter site: Huanta - 0.5 kW

Time/UTC	Days	Language	kHz
1100-1325	Daily	Spanish/Quechua	4764
2200-0100	Daily	Spanish/Quechua	4764

Radio La Voz del Pueblo

Radio La Voz del Pueblo broadcasts from Santiago de Chuco, capital of Santiago de Chuco Province, La Libertad Region. It operates on shortwave 4920v kHz and FM.

Transmitter site: Santiago de Chuco - 1 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish/Indigenous	4920v

Radio Logos

Radio Logos is located in Chazuta District, one of fourteen districts of the province San Martín, located in north central Peru on the edge of the Amazon Basin. The station began as a ministry in 2012, under the vision of expanding the gospel at the initiative of the central evangelical church of Chazuta. which belongs to the association of bilingual evangelical churches (AIEB). They are also affiliated with the Fraternity of Associations of Native Evangelical Churches of the Peruvian Amazon (FAIENAP). Radio Logos operates on shortwave 4810 kHz and FM.

Transmitter site: Chazuta - 1 kW.

Time/UTC	Days	Language	kHz
0900-1200	Daily	Spanish/Indigenous	4810
2100-2300	Daily	Spanish/Indigenous	4810

Radio Quillabamba

Radio Quillabamba is a Catholic radio station in Quillabamba, a city in southern Peru. It is the capital of La Convención Province, which is the largest province in area of the Cusco Region. Radio Quillabamba, known as the "The Voice of those who have no Voice", was founded in Peru in 1966 thanks to the work of Dominican missionaries. Today it is a radio station committed to "defending the values, culture, faith and organisation of the Conventional and Latin American people".

Transmitter site: Quillabamba - 5 kW.

Time/UTC	Days	Language	kHz
1000-0200	Daily	Spanish/Quechua	5025

Radio San Antonio

Radio San Antonio is located in Villa Atalaya, in the Ucayali Region of Peru. It is the capital of the Atalaya Province. It operates on shortwave 4940 kHz and FM.

Transmitter site: Villa Atalaya - 1 kW.

Time/UTC	Days	Language	kHz
0000 s/off	Daily	Spanish	4940

Radio Tarma

Radio Tarma broadcasts from Santa Ana de la Ribera de Tarma, the capital city of Tarma Province in Junín Region. The station was founded in 1958. It operates on 1510 and 4775v kHz, as well as FM. It broadcasts simultaneous programmes on mediumwave and shortwave.

Transmitter site: Tarma - 1.5 kW.

Time/UTC	Days	Language	kHz
1000-1400	Mon-Sat	Spanish	4775v
1100-1400	Sun	Spanish	4775v
2000-2300	Sun	Spanish	4775v
2000-0200	Mon-Sat	Spanish	4775v

Radio Tawantinsuyo

Radio Tawantinsuyo is located in Cusco, a city in south eastern Peru near the Urubamba Valley of the Andes mountain range. It is the capital of the Cusco Region and of the Cusco Province. Radio Tawantinsuyo broadcasts on 1190 and 6175 kHz and is known playing Andean music, Folklore and Huaynos.

Transmitter site: Cusco - 1 kW.

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish/Quechua	6175v

Radio Tawantinsuyo was confirmed on 6174 kHz on 23 June 2021 (after some months off air) by Lucio Otavio Bobrowiec in Brazil via WOR iog.

Surinam

Radio Apintie

Radio Apintie is based in Paramaribo and part of the Apintie television and radio broadcasting organisation. Radio Apintie airs a mix of news, sport, current affairs and entertainment, mostly in Dutch but also with programmes in Hindi and Javanese. It broadcasts on FM and irregularly on shortwave 4990 kHz.

Transmitter site: Paramaribo - 1 kW,

Days	Language	kHz
irregular	Dutch/Hindi/Javanese	4990

Venezuela

Radio Onda Corta Venezuela

Radio Onda Corta Venezuela (ROCV) is based in El Tigre, Anzoátegui State, and is currently the only shortwave broadcasting station originating from Venezuela. It began testing in late 2020 with a small 50-watt transmitter with rebroadcasts of Así Suena Venezuela FM and La Voz del Tigre 780 AM. They are widely heard despite the low power and are currently operating on 6205 kHz.

Transmitter site: El Tigre, Anzoátegui State - 0.05

Time/UTC	Days	Language	kHz
24 hours	Daily	Spanish	6205

Note: ROCV was reported on 6216 kHz on 1 May 2021 only.

Antarctica

Argentine Antarctica

LRA36 Radio Nacional Arcángel San Gabriel

LRA36 Radio Nacional Arcángel San Gabriel (also known as Radio San Gabriel or Radio Arcángel San Gabriel), is a radio station that transmits in 15476v kHz in the 19 meter band from Base Esperanza, Antarctica. It is one of the southernmost radio stations in the world and the only broadcasting station that transmits from Antarctica on shortwave. Programming can be variable but mainly consists of national and international news, sport, weather, general information and music requests. On occasions, calls from friends and family on the mainland are broadcast for residents of the base.

Transmitter site: San Gabriel - 10 kW (USB/AM - H3E)

Time/UTC	Days	Language	Target	kHz
1400-1600	irregular - Wed	Spanish	South America	15476v
1400-1700	irregular - Sat	Spanis	South America	15476v



British Antarctic Territory

BBC World Service Antarctic Midwinter Broadcast 2022

Every year, the BBC World Service makes a special programme for just a small number of listeners: the team of scientists and support staff isolated at British research stations in the Antarctic midwinter. The Antarctic Midwinter Broadcast is unlike anything else on the BBC World Service. Presented by Cerys Matthews, it features messages from family and friends at home as well as music requests from Antarctica. For decades it has been part of the traditional midwinter celebrations.

Time/UTC	Date	Language	Target	kHz
2130-2200	21 June 2022	English	Antarctica	6035-dha 6170-asc 7205-wof 9505-wof

Note: frequencies listed are those used on 21 June 2021; all frequencies are usually tested one week before (i.e. 14 June)



**British
Antarctic Survey**



Americas on Shortwave

Edited by Tony Rogers

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[British DX Club \(BDXC-UK\)](#)

[Bulgarian DX Blog \(Ivo Ivanov\)](#)

[EiBi Schedules \(Eike Bierwirth\)](#)

[Hansjörg Bieners DX Digest](#)

[hard-core-dx.com](#)

[Nagoya DXers Circle \(including Aoki List\)](#)

[Shortwave Central \(Gayle Van Horn\)](#)

[World of Radio / WOR io group \(Glenn Hauser\)](#)

[WRTH Online \(for latest updates to WRTH\)](#)

[WWDXC Top News / BC-DX \(Wolfgang Bueschel\)](#)

This guide provides information about the shortwave radio scene in the Americas.

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