

## NR TV ZENDER

1 één HD  
2 Canvas HD  
3 VTM HD  
4 VIER HD  
5 2BE HD  
6 VIJF  
7 Vitaya  
8 Acht  
10 Kadet  
11 vtmKzoom / Kanaal Z  
12 Ketnet / één+ / Canvas+  
13 Evenaar  
14 Infokanaal  
15 NPO 1 HD  
16 NPO 2 HD  
17 NPO 3 HD  
21 Fox BE  
24 Discovery Channel  
25 NatGeo HD  
32 Animal Planet  
42 Disney Channel  
47 192TV  
55 Retro Music  
59 TV Oranje  
69 (18+) Hustler TV  
78 EDGEsport HD  
82 NHK World HD  
83 BBC World News HD  
84 CNN International  
85 EuroNews  
86 Sky News  
87 France 24 Eng  
88 France 24 Fr  
89 i-Télé HD  
90 Al Jazeera Int.  
91 Russia Today HD  
92 CNBC  
93 BFM TV HD  
94 Bloomberg Europe  
95 BFM Business HD  
96 TV5MONDE HD (F,B,CH)  
97 TV5MONDE Europe  
99 BVN  
112 TV Noord  
113 Omroep Zeeland  
114 LIMBURG  
115 Omroep Brabant  
116 TV Gelderland  
117 Omrop Fryslan  
118 TV Oost  
119 TV Drenthe  
120 Das Erste HD  
121 ZDF HD  
122 3sat HD  
124 Sat 1  
125 Sat 1 Gold  
126 Family TV  
127 RTL Television  
128 RTL 2  
130 RTL Nitro  
131 RTLplus  
132 ProSieben  
133 ProSieben MAXX  
135 Vox  
136 Sixx  
137 Kabel eins  
138 DMAX  
141 Tele 5  
142 Arte HD  
143 Eins Festival HD  
144 Eins Plus HD

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717 Rai 1 (13)  
718 Rai 2 (13)  
719 Rai 3 (13)  
720 Rai News 24  
721 Sporttelevision (13)  
722 Radio Italia TV (13)  
723 RTL 102.5 (13)  
725 Rai Storia (13)  
726 Rai Scuola (13)  
727 Rai Gulp (13)  
728 TgCom24 (13)  
729 Rai Sport 1 (13)  
730 Rai Sport 2 (13)  
731 TRC (13)  
732 TRM (13)  
733 Rai News 24 (13)  
734 Supertennis HD (13)  
735 SRF Info HD (13)  
736 Eska TV (13)  
737 Polo TV (13)  
738 RTR Planeta (13)  
739 Fishing TV (13)  
740 Muzik TV (13)  
741 Discovery Real Time (13)  
742 RT Doc HD (13)  
743 ORT International (13)  
744 RTP International (13)  
745 TRT Turk (13)  
746 4 Fun TV (13)  
747 RadioNorba TV (13)  
748 TV Romania International (13)  
749 4 Fun Fit & Dance (13)  
750 4FUN Hits (13)  
751 Tele 5 polska (13)  
752 Polonia 1 (13)  
753 Fashion One (13)  
754 Fashion 4K Preview  
755 Fashion TV (13)  
756 World Fashion Channel HD (13)  
757 Fokus TV (13)  
758 TVS-TV Silesia (13)  
759 Class Horse TV(13)  
760 TV Moda(13)  
761 BBC Arabic (13)  
762 ERT World (13)  
763 KBS World HD (13)  
764 Arte HD (13)  
765 Al Aoula Inter (13)  
766 2M Monde (13)  
767 Arriadia (13)  
768 Arrabaaa 4 (13)  
769 Al Maghribiyah (13)  
770 Al Masriyah (13)  
771 VOX Music TV (13)  
772 Medi 1 Sat (13)  
773 Al Jazeera (13)  
774 Al Jaz. Mubasher (13)  
775 Al Jazeera English HD (13)  
776 Al Jaz. Documentary (13)  
777 Opera One (13)  
778 Opera Two (13)  
779 Opera Three (13)  
780 Abu Dhabi TV (13)  
781 Abu Dhabi Sports (13)  
782 Dubai TV (13)  
783 Dubai Sports 3 (13)  
784 Sama Dubai (13)  
785 Sharqiya (13)  
790 Al Arabiya (13)  
791 Tunis 7 (13)  
792 Canal Algerie (13)

## NR RADIO ZENDER

501 VRT Radio 1  
502 VRT Radio 2  
503 MNM  
504 Studio Brussel  
505 Klara  
506 QMusic  
507 JOEfm  
508 Nostalgie  
509 Classic FM  
512 BNR Nieuwsradio  
513 Sky Radio  
514 Radio 10  
515 Radio 538  
517 Veronica Radio  
518 RTL Radio  
520 FunX  
521 Arrow Classic Rock  
522 100% NL  
523 NPO-Radio 1  
524 NPO-Radio 2  
525 NPO-3FM  
526 NPO-Radio 4  
527 NPO-Radio 5  
529 COUNTRY JZ  
530 COUNTRY SV  
531 Country Radio  
532 Beat JM  
533 Radio Beat  
534 Radio Gelderland  
535 Radio Oost  
536 BBC World Service  
537 Jazz Radio  
538 CRo JAZZ  
539 CRo Plus / Jazz  
540 CRo Radiozurnal  
541 Radio Wave  
542 RF  
543 RTL  
544 RTL 2 FR  
545 Fun Radio  
546 Radio Classique  
547 NRJ  
548 Europe 1  
549 Virgin Radio FR  
550 Sky Rock  
551 Nova  
552 RFM  
553 Cherie FM  
554 France Culture  
555 France Info  
556 France Inter  
557 France Musique  
558 France Bleu IDF  
559 CRo Radio Praha  
560 RFI Int  
561 RMC Info  
562 Rire & Chansons  
563 Mc Doualiya  
564 TSF Jazz  
565 BFM Business Radio  
566 Mouv  
567 Radio FG  
568 Contact FM  
570 BBC Arabic Radio  
571 Oui FM  
572 Radio Notre Dame  
573 Beur FM  
574 Sud Radio  
576 Nostalgie (FR)  
586 RNE Radio Nacional  
587 RNE Radio Clasica

146 ZDF_neo HD	793 CCTV 4 (13)	588 RNE Radio 3
147 ZDF Kultur HD	795 VTV 4 (13)	589 RNE Radio 4
148 ZDFinfo HD	796 Arirang TV (13)	590 RNE Radio 5 Todo Noticias
149 ARD ALPHA	797 Thai TV Global Network (13)	591 RNE Radio Exterior
150 Phoenix HD	798 i24 News English (13)	592 FIP
151 Tagesschau 24 HD	799 Manoto HD (13)	593 RTL Radio Letzebuerg
152 N24	800 BBC One (28)	594 Radio 100
153 N-TV	801 BBC One HD (28)	595 Antenne Bayern
154 Servus TV HD Deutschland	802 BBC Two HD (28)	596 NDR Blue
155 Eurosport 1 Germany	803 BBC Four HD (28)	597 Bayern1
156 Sport Eins Deutschland	804 ITV HD (28)	598 Bayern2Radio
157 DW-TV (Deutsche Welle)	805 ITV +1 (28)	599 Bayern3
158 Anixe HD	806 ITV 2 (28)	600 Bayern4Klassik
159 Disney Channel DE	807 ITV 2 +1 (28)	601 B5Aktuell
160 Nick / Comedy	808 ITV 3 (28)	602 BAYERN plus
161 Super RTL	809 ITV 3 +1 (28)	603 On3 Radio
162 KiKA HD	810 ITV 4 (28)	605 hr1
163 RiC	811 ITV4 +1 (28)	606 hr2
165 ORF 2 Europe	812 ITV Be (28)	607 hr3
166 WDR HD Köln	813 ITV Be +1 (28)	608 hr4
167 WDR HD Duisburg	814 Bike UK (28)	609 You FM
168 WDR HD Bonn	815 Channel 4 HD (28)	610 hr-info
169 WDR HD Aachen	816 Channel 4 +1 (28)	611 MDR Jump
170 WDR HD Bielefeld	817 Channel 5 HD (28)	612 MDR 1 Sachsen
171 WDR HD Dortmund	818 Channel 5+1 (28)	613 MDR1 S-Anhalt
172 WDR HD Düsseldorf	820 Spike (28)	614 MDR1 Thuringen
173 WDR HD Essen	821 My5 (28)	615 MDR Figaro
174 WDR HD Wuppertal	822 5 USA (28)	616 MDR Info
175 WDR HD Münster	823 5 USA+1 (28)	617 NDR Kultur
176 WDR HD Siegen	826 5* (28)	618 NDR Info
177 R9 Österreich HD	827 5* +1 (28)	619 N-Joy
179 rbb Brandenburg HD	829 More 4 (28)	620 NDR 90.3
180 rbb Berlin HD	830 More 4 +1 (28)	621 NDR 1 Radio MV
185 SWR BW HD	832 Really (28)	622 NDR 1 Radio Niedersachsen
186 SWR RP HD	833 Yesterday (28)	623 NDR Info Spezial
187 SR Fernsehen HD	834 4Seven (28)	624 NDR 1 Welle Nord
188 BR Nord HD	835 E4 UK (28)	625 Info Radio
189 BR SÜD	836 E4 +1 (28)	626 kulturradio
191 NDR FS NDS HD	838 PBS America (28)	627 Antenne Brandenburg
192 NDR FS MV HD	839 Pick TV (28)	628 Radio Berlin 88.8
193 NDR FS SH HD	840 Pick TV +1 (28)	629 SR3 (Saarlandwelle)
194 NDR FS HH HD	841 Challenge (28)	630 SPUTNIK
196 MDR Sachsen HD	842 Challenge+1 (28)	631 SR1 (Europawelle)
197 MDR S-Anhalt HD	844 CBS Reality (28)	632 SR2 (Kulturradio)
198 MDR Thüringen HD	845 CBS Reality +1 (28)	634 SWR1 BW
199 hr-fernsehen HD	846 CBS Action (28)	635 SWR1 RP
200 SR Fernsehen	847 CBS Drama (28)	636 SWR2 BW
201 intv (na 18u)	848 Drama (28)	637 SWR3
202 RFO (na 18u)	849 True Drama (28)	638 SWR4 BW
203 München TV	851 Food Network (28)	639 SWR4 RP
204 TV Mittelrhein	852 Food Network+1 (28)	640 DAS DING
205 Rhein Main TV	853 Travel Channel (28)	641 SWR Info
207 Ulm-Allgäu	854 Travel Channel +1 (28)	642 Eins Live
208 Franken Fernsehen	855 Talking Pictures (28)	643 WDR 2 Koln
209 Hitradio OE3	856 Horror Channel (28)	644 WDR 3
211 Comedy Central / Viva Deutschland	857 Horror Channel+1 (28)	645 WDR 4
213 Radio Bremen TV	858 Film Four (28)	646 WDR 5
214 Go TV	859 Film Four +1 (28)	647 WDR Funkhaus Europa
215 Melodie Express	860 True Movies (28)	648 Eins Live diggi
216 TLC Deutschland	861 True Movies 2 (28)	649 Kiraka
217 Folx TV	862 Movies4Men (28)	650 ERF Radio
218 Deutsches Musik Fernsehen	863 Movies4Men +1 (28)	651 Deutschlandfunk Kultur
219 Deluxe Music	864 UMP Movies (28)	652 Deutschlandfunk
221 Sparhandy	867 True Crime (28)	653 Radio U1 Tirol
222 Bundesrat	868 True Crime +1 (28)	654 OE1 DD
223 LT1	869 True Entertainment (28)	655 OE1
224 TecTime TV	870 Tru TV (28)	656 OE2B
225 Multithek HBBtv	871 CBBC HD (28)	657 OE2K
226 Equi 8	872 CBeebies HD (28)	658 OE2N
227 Regio TV	873 CITV U.K. (28)	659 OE2O
228 Parlamentsfernsehen	874 Kix (28)	660 OE2S
230 RTL 2 Österreich	875 Pop (28)	661 OE2ST

231 RTL Österreich	876 Kix+1 (28)	662 OE2T
232 Super RTL Österreich	877 Pop +1 (28)	663 OE2V
233 RTL Nitro Austria	878 Tiny Pop (28)	664 OE2W
234 Sat 1 Österreich	879 Tiny Pop +1 (28)	665 OE3
235 Sat 1 Schweiz	880 Play TV (28)	666 FM4
236 Kabel 1 Schweiz	881 S4C Digidol (28)	667 Rockantenne
237 Kabel 1 Österreich	882 Your TV International (28)	668 Radio Maria
239 Pro Sieben Österreich	883 Viva U.K. (28)	669 Hit Radio FFH
240 Pro Sieben Schweiz	884 The Box UK (28)	671 Radio Lebensquelle
241 Nick / Comedy Central Österreich	885 Fashion One (28)	672 Harmony FM
242 VOX Österreich	886 Property Show (28)	673 Sunshine Live
243 Comedy Central / Viva Österreich	887 Irish TV (28)	674 Inselradio
248 MeinTVshop	888 S4C HD (28)	675 Planet Radio
250 HSE24 HD	889 Horse & Country (28)	676 Klassik Radio
251 QVC HD Germany	891 Kiss TV (28)	677 Nordwestradio
252 Juwelo HD	892 BBC Parliament (28)	678 Radio neue Hoffnung
253 Astra 3D Demo	893 BBC News HD (28)	679 Radio Horeb
256 TVE International	894 BBC Alba (28)	680 Radio Paloma
257 Canal 24 Horas	895 Vintage TV (28)	681 Fritz
258 CCTV News	896 Scuzz (28)	682 DRadio Wissen
259 CCTV 9 Documentary	897 The Vault (28)	683 Radio Freundes-Dienst
263 LCP HD	898 NOW Music (28)	684 B5 Plus
264 LCI HD	899 Clubland TV (28)	685 Bremen Eins
270 M6 Boutique & Co	900 Keep it Country (28)	686 Bremen Vier
281 Arirang TV	901 Showcase (28)	687 Domradio
288 RTL Tele Letzebuerg	902 BET U.K. (28)	688 FFN Digital
289 Chamber TV	903 Channel AKA (28)	689 BBC Radio 1 (28)
300 TV Record	904 Chart Show TV (28)	690 BBC 1 Xtra (28)
302 Cubavision Internacional	905 Box Upfront (28)	691 BBC Radio 2 (28)
304 LTC La tiena en Casa	906 Chilled TV (28)	692 BBC Radio 3 (28)
307 RT Espanol HD	907 Flava (28)	693 BBC Radio 4 (28)
308 Aragón	908 B4U Music (28)	694 BBC Radio Five Live (28)
309 Telesur	909 Magic (28)	695 BBC Radio Five Live Sport (28)
310 TV Galicia	910 Zing (28)	696 BBC Radio 6 Music (28)
312 Canal Sur Andalusia	911 Brit Asia TV (28)	697 BBC Radio 4 Extra (28)
317 i24 News Français	912 Gay Network (28)	698 BBC London (28)
320 Al Jazeera Satellite Channel	913 TV Record HD UK (28)	699 Capital FM (28)
336 TRWAM	914 BEN (28)	700 Absolute Classic Rock (28)
344 TV 8	915 Box Hits! (28)	701 Classic FM (28)
348 Ocko	916 Showbiz TV (28)	702 Gold (28)
349 CT 24	917 Front Runner (28)	703 Absolute Radio (28)
350 Noe TV	918 ABN TV (28)	704 Jazz FM (28)
351 Slagr TV	919 PTV Prime (28)	705 talkSPORT (28)
352 TA 3	920 &TV HD (28)	706 Planet Rock (28)
353 TV Lux	921 Geo Tez (28)	707 Capital Xtra (28)
355 Regionalni TV	922 Aastha TV International (28)	708 Smooth (28)
356 SonLife Broadcasting Network	923 Kerrang! (28)	709 Radio X (28)
357 GOD Europe	924 Bangla TV (28)	712 Absolute 70s (28)
359 Bibel TV HD	925 Geo News (28)	713 Absolute 80s (28)
360 K-TV Fernsehen	926 SAB TV (28)	714 Absolute 90s (28)
362 EWTN katholisches TV	928 Rishtey TV(28)	715 BFBS Radio (28)
370 sonnenklar.TV HD	929 Takbeer TV (28)	786 RADIOUNO (13)
372 Astro TV	930 Channel S (28)	787 RADIODUE (13)
373 Juwelo TV	931 Hidayat TV (28)	788 RADIOTRE (13)
374 HSE24 Extra	932 Abu Dhabi TV (28)	
376 Home Shopping europe Deutschland	934 CNN International HD (28)	
378 QVC Germany	935 CCTV (28)	
379 1-2-3.TV HD	936 PCNE (28)	
380 Channel 21 Shop	937 CNC World (28)	
381 Beauty TV	938 NHK World HD (28)	
383 Zee One HD	939 RT HD (28)	
385 R1 (Russia)	940 Create & Craft (28)	
390 TRT Turk	941 QVC (28)	
391 Insight HD	942 Home&Leisure (28)	
400 SES UHD Demo Channel	950 BBC Red Button HD (28)	
401 UHD1 by ASTRA	951 BBC Red Button 1 (28)	
402 PEARL TV UHD	952 BBC Red Button 2 (28)	
403 HLG Test	953 BBC Red Button 3 (28)	
404 Fashion 4K	954 BBC Red Button 4 (28)	
405 Canal+ UHD	955 BBC Red Button 5 (28)	
406 ASTRA UHD DEMO	956 BBC Red Button 6 (28)	
407 FunBox 4K	957 BBC Olympics HD 1 (28)	

408 Insight UHD  
409 Hot Bird 4k Test (13)

958 BBC Olympics HD 2 (28)  
959 BBC Olympics HD 3 (28)