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@\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_SOFTCAM KEYS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_@

@\_\_\_\_\_\_\_UPDATE 11-10-2017 BY INFORMED\_\_\_\_\_\_\_@

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# IRDETO 2 KEYS #

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I 0604 02 DFDD0C4B92B4ABD26514B9AF9F0C79C4 ;Bulsatcom (39.0°E)

I 0604 03 E94B84B099000C5DFD04C4C09AA022E9 ;Bulsatcom (39.0°E)

I 0604 04 BC62E4F15C91078025CCDC2FCC934274 ;Bulsatcom (39.0°E)

I 0604 06 370C1AD28E8FEA63F2886FC6122A9894 ;Bulsatcom (39.0°E)

I 0604 M1 98B4DCAD44E8C9504C3F4E51692A7047 ;Bulsatcom (39.0°E)

I 0604 M2 AE652B210BF89FC69507609842FD303E ;Bulsatcom (39.0°E)

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# VIACCESS 1 KEYS #

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V 001C10 08 03A857610B5F1269 ;Globecast France (5.0°W)

V 007400 08 2FB60239D4D8C4D6 ;Mezzo/MCM Belgique (13.0°E/5.0°W)

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# VIACCESS 2 KEYS #

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V 021110 08 35F6B9217C2BA83F38C3C1FD23A5D321 ;Ant-1 (9°E)

V 021110 D1 89CBB54EEB94E350 ;Des1\_Key

V 021110 X1 12BF4D2F2A10F590 ;XORArray

V 021110 P1 0704020305000601 ;PermArray

V 021110 C1 E96B9FD44D3D335E ;ChainArray

V 021110 T1 9453847eee7345cfd1d482d3603036ecd6cd9af5da1fe5243e715cea8641ba1528a747c2172edcd920968e752f4a252c0d38ab4ca56e0e8d31644e5e7761189f781dfa85fd065922f7e92d9533a93ae8f1e788015de3d29262465ff21a543b5a0c3d58c939d8ae7f876cbfd569ce35c49b19c105c82bac3c40edb1fcbc990367a4b80aa102431c6852f8beffb6372aefb9a657bb004b29b4db7d1270e1aab53fd083b7e280349121e44d9d3276f066dfde7accc7979e8ca281901e937cc38a6ae67223bd6ff6cab37463c6feb2116d07a008560b096b10e06527149826ebb0afd79ca355a816c0514f491bdd0f79048fad505bf4f313c54889fb42f97b44cb8b ;TransformTable

V 023800 08 955CF3C92800F39F54B93005DF826DBF ;SRG SSR Swiss (13.0°E)

V 023800 D1 0B552C11AF0A2FB8 ;Des1\_Key

V 023800 X1 3D1229C2ED29C130 ;XORArray

V 023800 P1 0304000207050106 ;PermArray

V 023800 C1 DA4E0B42134F433B ;ChainArray

V 023800 T1 495EE3839DD6544AF23FC1EC7C684D973CF873926F1CF0F586DA31A1156BA69A3461A28A965DCB2A5B932757B3D34640CF1A654C20A548C3E6B97DBD104363092FC89C3D67D82EAE3600075C330E8D946AE8AD5F06E7F42BB79FAC284B250153BE217A3EFD3291440D8F501DC5A8A7147BBBED12C4BF89DBDCD162700C3A95AFB4F6B103C6FB18DDC77623E4FC4EF169AA6613294F7E240FB59E1FAB42049959D91B22B6F9351E6E6DC2909B5A52477FC082FE2C8098A358D739DE71D23B6075B00AA937746C848841CAC926F7EAE230DF79BC2DEEF305B845A019777887BAD0FAE5CE028BE1385551EFCDFF0B72D4E9168E08D5561781CC11A4E0858C64B2EB ;TransformTable

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# NAGRAVISION 2 KEYS #

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N 1102 00 F8780ECD862D143B9B23ECFFCBB872A4 ;UnityMedia Cable TV (German)

N 1102 01 FAD9E99827B3D66B624FA382E52615E1 ;UnityMedia Cable TV (German)

N 1102 M1 C75C2FECF494F6DD71BBF898C63F7FEBA11345DF14C71EE656BC23016C2F90A881429B82A68C095E472C997752D5890341CF9E06691672482718750B918AAE92 ;UnityMedia Cable TV (German)

N 2111 00 10F5DB01646FD8852C0BCCA160F0B337 ;Digi TV Cablu (Romania Cable TV)

N 2111 01 70139BA32FA253375994199BB50657FF ;Digi TV Cablu (Romania Cable TV)

N 2111 M1 7508665801DC6815F8DF965641A8C27CAE056ED0249CF60F60DEDD75A3A84D486E85285220F133439F038BFE54975543C8DFC4205067985E5CDAD7ABA4CF48A7 ;Digi TV Cablu (Romania Cable TV)

N 7301 00 849CA94081EDA1FC8E00276B7CE6B1DA ;Cablecom Swiss Cable TV (Switzerland)

N 7301 01 5FD284AA40E9A4A35484305C41A3C3F5 ;Cablecom Swiss Cable TV (Switzerland)

N 7301 M1 7544E982065D53E7CF049AF2E725544A50268DA1462F15D8A197ECE4B80FE221122F92AD56324380A04878EBF563427DD85C38645907583E23AC5153E300CF84 ;Cablecom Swiss Cable TV (Switzerland)

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# NDS/VIDEOGUARD KEYS #

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S 090F 00 1585C5E4B852ECF7C3D908BA224A66F282154FB218486397DC19D8519A39FCCA1C24D065A9662DD6533B86BA40EA4C6DD91E4114FE15AFC318C5F8A7A8010001 ;Viasat (4.8°E)

S 093E 00 1585C5E4B852ECF7C3D908BA224A66F282154FB218486397DC19D8519A39FCCA1C24D065A9662DD6533B86BA40EA4C6DD91E4114FE15AFC318C5F8A7A8010001 ;Viasat (4.8°E)

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# TANDBERG KEYS #

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T 0001 01 5FDB06AA1364E500 ;CNBC Asia Regional - 3900 H 30000

T 0002 01 CA138BF89FBE0E00 ;CNBC Asia Australia - 3900 H 30000

T 0003 01 52614F2CB05D3801 ;CNBC Asia NTSC - 3900 H 30000

T 0004 01 345E9B5B97D5BC01 ;CNBC Asia Feeds - 3900 H 30000

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T 0001 01 5FDB06AA1364E500 ;VTV 1 (132.0°E) - 3590 V 19200

T 03E8 01 8BAD71EFB7A83C00 ;VTV 2 (132.0°E) - 3590 V 19200

T 03E9 01 8BAD71EFB7A83C00 ;VTV 3 (132.0°E) - 3590 V 19200

T 03EA 01 8BAD71EFB7A83C00 ;VTV 4 (132.0°E) - 3590 V 19200

T 03EB 01 8BAD71EFB7A83C00 ;VTV 5 (132.0°E) - 3590 V 19200

T 03EC 01 8BAD71EFB7A83C00 ;VTV 6 (132.0°E) - 3590 V 19200

T 03ED 01 8BAD71EFB7A83C00 ;VTV 7 (132.0°E) - 3590 V 19200

T 1ED5 01 67A8578D03D5C400 ;VTV 8 (132.0°E) - 3590 V 19200

T 2706 01 D22D9D72FBB4B200 ;VTV 9 (132.0°E) - 3590 V 19200

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T 03E8 01 8BAD71EFB7A83C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0691 01 D6B8F64C9AD2C000 ;IMG Asia (100.5°E) - 3700 V 30000

T 0693 01 E71E624D1EDB3B00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0694 01 EB62121C009B8A00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0695 01 8D4A0B4EEA27DE00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0696 01 559DBE62B3947A00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0697 01 B7ED31D476BA9000 ;IMG Asia (100.5°E) - 3700 V 30000

T 0698 01 2BB8F2CD65578F00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0699 01 9BD67458CF5DA900 ;IMG Asia (100.5°E) - 3700 V 30000

T 069A 01 800123885DA12500 ;IMG Asia (100.5°E) - 3700 V 30000

T 069B 01 C6825C05FD5DC700 ;IMG Asia (100.5°E) - 3700 V 30000

T 069C 01 C122F250366C2F00 ;IMG Asia (100.5°E) - 3700 V 30000

T 069D 01 27904CA5A5A7D700 ;IMG Asia (100.5°E) - 3700 V 30000

T 069E 01 4618FCB0B03AAF00 ;IMG Asia (100.5°E) - 3700 V 30000

T 069F 01 428EBDA9392D9200 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A0 01 F61D2EA2C8AA9F00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A1 01 9971A078E3051000 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A2 01 BF538FA113116D00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A3 01 D028080CD00F0700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A3 01 D07448EDD0E20700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A4 01 DAD06D00AE187600 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A5 01 D6FFFD6184C91300 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A6 01 DF4E07D7E1EB2900 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A7 01 8005CDDECE661B00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A8 01 E2CF78630B05DE00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06A9 01 1F3CEF98BDDAD000 ;IMG Asia (100.5°E) - 3700 V 30000

T 06AA 01 45BF4929CB5AA100 ;IMG Asia (100.5°E) - 3700 V 30000

T 06AB 01 76FAE104CC992700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06AC 01 131AF25142BCDF00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06AD 01 334E284293193E00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06AE 01 C59BE490A41A6D00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06AF 01 191547A11D534500 ;IMG Asia (100.5°E) - 3700 V 30000

T 06B0 01 3F76A21EBA443C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06B1 01 5057B34A7111DF00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06B2 01 17A7D5868E5D6500 ;IMG Asia (100.5°E) - 3700 V 30000

T 06B3 01 9CF9F31197D74900 ;IMG Asia (100.5°E) - 3700 V 30000

T 06B4 01 6C186179163D1300 ;IMG Asia (100.5°E) - 3700 V 30000

T 06B5 01 BB0A1DB27E16E600 ;IMG Asia (100.5°E) - 3700 V 30000

T 06BA 01 75878DB5E6097E00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06BB 01 3AA5C5571DEA6800 ;IMG Asia (100.5°E) - 3700 V 30000

T 06BC 01 A82264A361B01C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06BD 01 AF73935FEB51B100 ;IMG Asia (100.5°E) - 3700 V 30000

T 06BE 01 680E27BCD45A2C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06BF 01 1BE03EA95364B600 ;IMG Asia (100.5°E) - 3700 V 30000

T 06C0 01 424265AB464A5400 ;IMG Asia (100.5°E) - 3700 V 30000

T 06CA 01 9785EB816CDF3300 ;IMG3 ASIA (100.5°E) - 3700 V 30000

T 06CB 01 3A895BA6C9821800 ;IMG3 ASIA (100.5°E) - 3700 V 30000

T 06CD 01 430B68C82A19F400 ;IMG3 ASIA (100.5°E) - 3700 V 30000

T 06CF 01 4B4395DA68E32C00 ;IMG3 ASIA (100.5°E) - 3700 V 30000

T 06D0 01 CD2EFB597E558000 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D1 01 364C9FC2F307DC00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D2 01 472AA83AF065E700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D4 01 148B1057D3C7B100 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D5 01 504517CE48271300 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D6 01 32A03B66435B8E00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D7 01 3087CCA158E35300 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D8 01 48ED360FA371FC00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06D9 01 D3216EC5F0CC0700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06DA 01 80D64B3567990700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06DB 01 A6B539A669827600 ;IMG Asia (100.5°E) - 3700 V 30000

T 06DC 01 B0E1E98275E6D100 ;IMG Asia (100.5°E) - 3700 V 30000

T 06DD 01 5EFF1C1EDB73C300 ;IMG Asia (100.5°E) - 3700 V 30000

T 06DE 01 083EC62B3DD2C800 ;IMG Asia (100.5°E) - 3700 V 30000

T 06DF 01 94A3C50960865200 ;IMG Asia (100.5°E) - 3700 V 30000

T 06E1 01 77856E84B31FF800 ;IMG Asia (100.5°E) - 3700 V 30000

T 06E2 01 77856E2442A49700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06E3 01 B1EB88562DFEE900 ;IMG Asia (100.5°E) - 3700 V 30000

T 06E5 01 901D56235A9B1600 ;IMG Asia (100.5°E) - 3700 V 30000

T 06E7 01 A682A0838B1ADE00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06E8 01 1BC827B4DD438800 ;IMG Asia (100.5°E) - 3700 V 30000

T 06EC 01 70AF5CBBE6AE3600 ;IMG Asia (100.5°E) - 3700 V 30000

T 06F4 01 C785192D37D34100 ;IMG Asia (100.5°E) - 3700 V 30000

T 06F5 01 FC8D04A0D08C6E00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06F7 01 29F6BFA4F194D700 ;IMG Asia (100.5°E) - 3700 V 30000

T 06F9 01 907BA1CDE77C3C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06FC 01 42091073E1CEE300 ;IMG Asia (100.5°E) - 3700 V 30000

T 06FD 01 45E2D915B7761E00 ;IMG Asia (100.5°E) - 3700 V 30000

T 06FE 01 8279A503E28E4400 ;IMG Asia (100.5°E) - 3700 V 30000

T 06FF 01 4785D1D6183D8000 ;IMG Asia (100.5°E) - 3700 V 30000

T 0700 01 794171490CB43B00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0701 01 00EF34E7134C0000 ;IMG Asia (100.5°E) - 3700 V 30000

T 0702 01 0EA9D5125F21C800 ;IMG Asia (100.5°E) - 3700 V 30000

T 0703 01 2D4D640338D5E200 ;IMG Asia (100.5°E) - 3700 V 30000

T 0704 01 A511447B0092BE00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0705 01 5A4006C95B65BE00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0706 01 D53ACCC0A0A22F00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0707 01 E1A2FD0BB4962500 ;IMG Asia (100.5°E) - 3700 V 30000

T 0709 01 F10378E187746B00 ;IMG Asia (100.5°E) - 3700 V 30000

T 070A 01 3EC7AAFF76975400 ;IMG Asia (100.5°E) - 3700 V 30000

T 070B 01 1B2B5A63C8E8E300 ;IMG Asia (100.5°E) - 3700 V 30000

T 070C 01 388158C2FE107300 ;IMG Asia (100.5°E) - 3700 V 30000

T 070D 01 CBABBFAA84E6F800 ;IMG Asia (100.5°E) - 3700 V 30000

T 070E 01 CBABBFFA1A3C1B00 ;IMG Asia (100.5°E) - 3700 V 30000

T 070F 01 BCBFB1035029C500 ;IMG Asia (100.5°E) - 3700 V 30000

T 0710 01 71C21288C9ED1C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0711 01 14FE08A5B89D6C00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0712 01 971394EB7B550A00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0713 01 F4825CD9B20B0B00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0714 01 8FF9B482352D8200 ;IMG Asia (100.5°E) - 3700 V 30000

T 0715 01 B1A06954A54F3400 ;IMG Asia (100.5°E) - 3700 V 30000

T 0716 01 6E182D3D3B328F00 ;IMG Asia (100.5°E) - 3700 V 30000

T 0717 01 54A824DFF1305300 ;IMG Asia (100.5°E) - 3700 V 30000

T 0718 01 B271E187ED4DD300 ;IMG Asia (100.5°E) - 3700 V 30000

T 0719 01 8D21635CF99CE400 ;IMG Asia (100.5°E) - 3700 V 30000

T 071A 01 8E2208E28B115300 ;IMG Asia (100.5°E) - 3700 V 30000

T 071B 01 E8B1CF202D4D9100 ;IMG Asia (100.5°E) - 3700 V 30000

T 2706 01 D22D9D72FBB4B200 ;Wimbledon World Feed (100.5°E) - 3700 V 30000

T 2710 01 D35184AEEC8BE800 ;Wimbledon World Feed (100.5°E) - 3700 V 30000

T 1605 01 F384528231F80300 ;ADS 7 (100.5°E) - 3720 H 30000

T 1606 01 677F3A34205E0500 ;ADS 8 (100.5°E) - 3720 H 30000

T 1607 01 DB445F86ADC23800 ;ADS 9 (100.5°E) - 3720 H 30000

T 1608 01 F4C1ECFF64C9A700 ;ADS 10 (100.5°E) - 3720 H 30000

T 1609 01 C72CD9ABB6CC0800 ;ADS 11 (100.5°E) - 3720 H 30000

T 160A 01 5DECE324A52B2400 ;ADS 12 (100.5°E) - 3720 H 30000

T 0A26 01 B7D9C24C62827700 ;MDS09,10,11,12 50 (100.5°E) - 3860 V 30000

T 045B 01 32C718C11FF46D00 ;U21 (100.5°E) - 3869 H 7120

T 0A26 01 B7D9C24C62827700 ;MDS05,06,07,08 50 (100.5°E) - 3880 H 30000

T 0083 01 4DB639DF3C4A2D00 ;ARQ-PL7 GOALS (100.5°E) - 3915 V 7120

T 0084 01 EDB30CBA1EFB0500 ;ARQ-PL9 GOALS (100.5°E) - 3915 V 7120

T 1839 01 67392044053A9700 ;Service 01 (100.5°E) - 3918 H 22500

T 183A 01 70B5118415394400 ;Service 02 (100.5°E) - 3918 H 22500

T 183B 01 737AFC24357EE900 ;Service 03 (100.5°E) - 3918 H 22500

T 183C 01 9EE1C959DABDBB00 ;Service 04 (100.5°E) - 3918 H 22500

T 183D 01 5D243DE3E2934600 ;Service 05 (100.5°E) - 3918 H 22500

T 03E8 01 8BAD71EFB7A83C00 ;Service 1 (100.5°E) - 3920 H 30000

T 03E9 01 8BAD71EFB7A83C00 ;Service 2 (100.5°E) - 3920 H 30000

T 03EA 01 8BAD71EFB7A83C00 ;Service 3 (100.5°E) - 3920 H 30000

T 03EB 01 8BAD71EFB7A83C00 ;Service 4 (100.5°E) - 3920 H 30000

T 03EC 01 8BAD71EFB7A83C00 ;Service 5 (100.5°E) - 3920 H 30000

T 03ED 01 8BAD71EFB7A83C00 ;Service 6 (100.5°E) - 3920 H 30000

T 1603 01 BE363F46A0380400 ;ADS 5 (100.5°E) - 3924 H 7300

T 16E5 01 C33C139292471600 ;ONC50 (100.5°E) - 3954 V 7200

T 1959 01 405E18941A49DA00 :MDS01,02,03,04 50 (100.5°E) - 3954 V 7200

T 224A 01 7293AFF5D46C2D00 ;ONC 50 (100.5°E) - 3954 V 7200

T 0001 01 5FDB06AA1364E500 ;MDS01 50 (100.5°E) - 4080 H 30000

T 0A26 01 B7D9C24C62827700 ;MDS02,04 50 (100.5°E) - 4080 H 30000

T 2140 01 0660C5AFE5251800 ;MDS03 50 (100.5°E) - 4080 H 30000

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T 0002 01 CA138BF89FBE0E00 ;RTM 2 Malaysia (91.5°E) - 3918 H 18385

T 0004 01 345E9B5B97D5BC01 ;RTM 4 Malaysia (91.5°E) - 3918 H 18385

T 0005 01 9EFB52CDD0FBA101 ;RTM 5 Malaysia (91.5°E) - 3918 H 18385

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T 0001 01 5FDB06AA1364E500 ;Arena Sport 1 (39.0°E) - 11135 V 30000

T 0002 01 CA138BF89FBE0E00 ;Arena Sport 2 (39.0°E) - 11135 V 30000

T 0003 01 52614F2CB05D3801 ;Arena Sport 3 (39.0°E) - 11135 V 30000

T 0004 01 345E9B5B97D5BC01 ;Arena Sport 4 (39.0°E) - 11135 V 30000

T 0005 01 9EFB52CDD0FBA101 ;Arena Sport BIH (39.0°E) - 11135 V 30000

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T 2705 01 3AC4EAEA7CA2EC00 ;Wimbledon World Feed (7.0°E) - 10960 H 9875 3/4

T 2706 01 D22D9D72FBB4B200 ;WF50 Wimbledon (7.0°E) - 10960 H 9875 3/4

T 2710 01 D35184AEEC8BE800 ;Wimbledon World Feed (7.0°E) - 10960 H 9875 3/4

T 04FE 01 8E75452BFEBF3F00 ;IMG A Studio (7.0°E) - 11020 V 7200

T 0691 01 D6B8F64C9AD2C000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0692 01 D6B8F69CE5612200 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0693 01 E71E624D1EDB3B00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0694 01 EB62121C009B8A00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0695 01 8D4A0B4EEA27DE00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0696 01 559DBE62B3947A00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0697 01 B7ED31D476BA9000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0698 01 2BB8F2CD65578F00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0699 01 9BD67458CF5DA900 ;IMG3 EU (7.0°E) - 11020 V 7200

T 069A 01 800123885DA12500 ;IMG3 EU (7.0°E) - 11020 V 7200

T 069B 01 C6825C05FD5DC700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 069C 01 C122F250366C2F00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 069D 01 27904CA5A5A7D700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 069E 01 4618FCB0B03AAF00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 069F 01 428EBDA9392D9200 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A0 01 F61D2EA2C8AA9F00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A1 01 9971A078E3051000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A2 01 BF538FA113116D00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A3 01 D028080CD00F0700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A3 01 D07448EDD0E20700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A4 01 DAD06D00AE187600 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A5 01 D6FFFD6184C91300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A6 01 DF4E07D7E1EB2900 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A7 01 8005CDDECE661B00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A8 01 E2CF78630B05DE00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06A9 01 1F3CEF98BDDAD000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06AA 01 45BF4929CB5AA100 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06AB 01 76FAE104CC992700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06AC 01 131AF25142BCDF00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06AD 01 334E284293193E00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06AE 01 C59BE490A41A6D00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06AF 01 191547A11D534500 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B0 01 3F76A21EBA443C00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B1 01 5057B34A7111DF00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B2 01 17A7D5868E5D6500 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B3 01 9CF9F31197D74900 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B4 01 6C186179163D1300 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B5 01 BB0A1DB27E16E600 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B6 01 502A1B329BEB8C00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B7 01 3026040327ACB200 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B8 01 DE94751062D35400 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06B9 01 E50266791A663A00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06BA 01 75878DB5E6097E00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06BB 01 3AA5C5571DEA6800 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06BC 01 A82264A361B01C00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06BD 01 AF73935FEB51B100 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06BE 01 680E27BCD45A2C00 ;IMG A Europe (7.0°E) - 11020 V 7200

T 06BF 01 1BE03EA95364B600 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06C0 01 424265AB464A5400 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06C1 01 7C777A9034296800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06C2 01 7C777A7043D18A00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06C3 01 1EE30D0192026500 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06C4 01 93BB7B743EE6A800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06C5 01 C4A334C1D814FB00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06CD 01 4ABC1224FAEF5800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06CC 01 2538600B17D90A00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06CE 01 4ABC12242A9AB300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06CF 01 CD2EFBD98E0CC000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D0 01 CD2EFB597E558000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D1 01 364C9FC2F307DC00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D2 01 472AA83AF065E700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D4 01 148B1057D3C7B100 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D5 01 504517CE48271300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D6 01 32A03B66435B8E00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D7 01 3087CCA158E35300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D8 01 48ED360FA371FC00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06D9 01 D3216EC5F0CC0700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06DA 01 80D64B3567990700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06DB 01 A6B539A669827600 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06DC 01 B0E1E98275E6D100 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06DD 01 5EFF1C1EDB73C300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06DE 01 083EC62B3DD2C800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06DF 01 94A3C50960865200 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06E1 01 10213703B7097E00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06E2 01 102137F3E2294500 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06E3 01 B1EB88562DFEE900 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06E5 01 901D56235A9B1600 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06E7 01 A682A0838B1ADE00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06E8 01 1BC827B4DD438800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06EC 01 70AF5CBBE6AE3600 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06F4 01 C785192D37D34100 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06F5 01 FC8D04A0D08C6E00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06F7 01 29F6BFA4F194D700 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06F9 01 907BA1CDE77C3C00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06FC 01 42091073E1CEE300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06FD 01 45E2D915B7761E00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06FE 01 8279A503E28E4400 ;IMG3 EU (7.0°E) - 11020 V 7200

T 06FF 01 4785D1D6183D8000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0700 01 794171490CB43B00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0701 01 00EF34E7134C0000 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0702 01 0EA9D5125F21C800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0703 01 2D4D640338D5E200 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0704 01 A511447B0092BE00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0705 01 5A4006C95B65BE00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0706 01 D53ACCC0A0A22F00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0707 01 E1A2FD0BB4962500 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0709 01 F10378E187746B00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 070A 01 3EC7AAFF76975400 ;IMG3 EU (7.0°E) - 11020 V 7200

T 070B 01 1B2B5A63C8E8E300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 070C 01 388158C2FE107300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 070D 01 CBABBFAA84E6F800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 070E 01 CBABBFFA1A3C1B00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 070F 01 BCBFB1035029C500 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0710 01 71C21288C9ED1C00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0711 01 14FE08A5B89D6C00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0712 01 971394EB7B550A00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0713 01 F4825CD9B20B0B00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0714 01 8FF9B482352D8200 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0715 01 B1A06954A54F3400 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0716 01 6E182D3D3B328F00 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0717 01 54A824DFF1305300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0718 01 B271E187ED4DD300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0719 01 8D21635CF99CE400 ;IMG3 EU (7.0°E) - 11020 V 7200

T 071A 01 8E2208E28B115300 ;IMG3 EU (7.0°E) - 11020 V 7200

T 071B 01 E8B1CF202D4D9100 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0E91 01 C31DADBCBB72D800 ;IMG3 EU (7.0°E) - 11020 V 7200

T 0A26 01 B7D9C24C62827700 ;MDS05 50 & MDS08 50 (7.0°E) - 11055 V 30000

T 1959 01 405E18941A49DA00 ;MDS05,06,07,08,09,10,11,12 50 - 11055 V 30000

T 1600 01 37C82448CE4F2000 ;ONC 50 (7.0°E) - 11087 H 7200

T 16E5 01 C33C139292471600 ;ONC 50 (7.0°E) - 11087 H 7200

T 2140 01 0660C5AFE5251800 ;MDS09,10,11,12 50 (7.0°E) - 11092 V 30000

T 07E8 01 ED5151642DD1D300 ;FA Cup FEED (7.0°E) - 11144 V 7120

T 07E7 01 8EFD3EA3A5F9FD00 ;FA Cup FEED (7.0°E) - 11163 V 7120

T 07ED 01 FCA4C1A310581000 ;FA Cup FEED (7.0°E) - 11163 V 7120

T 0083 01 4DB639DF3C4A2D00 ;ARQ-PL7 CLIPS (7.0°E) - 12555 H 7120

T 0084 01 EDB30CBA1EFB0500 ;ARQ-PL9 CLIPS (7.0°E) - 12555 H 7120

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T 07D7 01 EF35D1892E2FD000 ;U21 (10.0°E) - 11125 H 7120

T 07DE 01 332B97C503956200 ;PITCH TEST (10.0°E) - 11125 H 7120

T 03E8 01 8BAD71EFB7A83C00 ;MDS01,02,03,04,05 50 (10.0°E) - 11387 V 30000

T 1959 01 405E18941A49DA00 ;MDS01,02,03,04 50 (10.0°E) - 11387 V 30000

T 1ED5 01 67A8578D03D5C400 ;MDS01 50 (10.0°E) - 11387 V 30000

T 2140 01 0660C5AFE5251800 ;MDS01,02,03,04 50 (10.0°E) - 11387 V 30000

T 0084 01 EDB30CBA1EFB0500 ;ARQ-PL9 CLIPS (10.0°E) - 11605 H 7200

T 1839 01 67392044053A9700 ;SERVICE 1 (10.0°E) - 11637 V 22500

T 183A 01 70B5118415394400 ;SERVICE 2 (10.0°E) - 11637 V 22500

T 183B 01 737AFC24357EE900 ;SERVICE 3 (10.0°E) - 11637 V 22500

T 183C 01 9EE1C959DABDBB00 ;SERVICE 4 (10.0°E) - 11637 V 22500

T 183D 01 5D243DE3E2934600 ;SERVICE 5 (10.0°E) - 11637 V 22500

T 1839 01 67392044053A9700 ;SERVICE 1 (10.0°E) - 12634 H 15000

T 183A 01 70B5118415394400 ;SERVICE 2 (10.0°E) - 12634 H 15000

T 183B 01 737AFC24357EE900 ;SERVICE 3 (10.0°E) - 12634 H 15000

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T 0001 01 5FDB06AA1364E500 ;America TV HD (40.5°W) - 3923 L 7000

T 0002 01 CA138BF89FBE0E00 ;America TV HD (40.5°W) - 3923 L 7000

T 0003 01 52614F2CB05D3801 ;America TV HD (40.5°W) - 3923 L 7000

T 0001 01 5FDB06AA1364E500 ;RCN TV (40.5°W) - 4021 R 3200

T 0001 01 5FDB06AA1364E500 ;RCN Telenovelas (40.5°W) - 4028 R 8000

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T 0084 01 EDB30CBA1EFB0500 ;ARQ-PL8-10 Clips/Goals (47.5°W) - 3766 H 7200

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T 000C 01 E326D5546DD03E01 ;Caracol TV Alterno (58.0°W) - 3785 H 5200

T 0001 01 5FDB06AA1364E500 ;Band Internacional (58.0°W) - 4156 V 4300

T 0002 01 CA138BF89FBE0E00 ;Band News (58.0°W) - 4156 V 4300

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T 000B 01 8913EDA56DE5BC00 ;Univision East (103.0°W) - 4120 H 30000

T 000C 01 E326D5546DD03E00 ;Univision West(103.0°W) - 4120 H 30000

T 000D 01 B7A28B41A38C9500 ;Univision Mountain (103.0°W) - 4120 H 30000

T 0015 01 0517DC6537166F00 ;Unimas EastHD (103.0°W) - 4120 H 30000

T 0016 01 235751D97F32C201 ;Unimas West HD (103.0°W) - 4120 H 30000

T 0017 01 6DC7ECD00BCD2301 ;Unimas Mountain HD (103.0°W) - 4120 H 30000

T 00CF 01 5B70F00700000000 ;GetTV (103.0°W) - 4120 H 30000

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T 0001 01 5FDB06AA1364E500 ;Telemundo East HD (105.0°W) - 3940 H 30000

T 0001 01 5FDB06AA1364E500 ;Telemundo West HD (105.0°W) - 3940 H 30000

T 0001 01 5FDB06AA1364E500 ;Telemundo OCC HD (105.0°W) - 3940 H 30000

T 0001 01 5FDB06AA1364E500 ;Telemundo OCC2 HD (105.0°W) - 3940 H 30000

T 0001 01 5FDB06AA1364E500 ;Telemundo East HD (105.0°W) - 3940 H 30000

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# POWERVU KEYS #

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P 0014 00 3F2242B6524CE3 ;Coral TV1 PVU4, 4.8E, 12149

P 0014 01 049639F6C09100 ;Coral TV1 PVU4, 4.8E, 12149

P 0017 00 3F2242B6524CE3 ;Coral TV2 PVU6, 4.8E, 12149

P 0017 01 049639F6C09100 ;Coral TV2 PVU6, 4.8E, 12149

P 001D 00 3F2242B6524CE3 ;Coral TV1 SIS Data -PVU4, 4.8E, 12149

P 001D 01 049639F6C09100 ;Coral TV1 SIS Data -PVU4, 4.8E, 12149

P 0042 00 3F2242B6524CE3 ;Ladbrokes 1 PVU 3, 4.8E, 12149

P 0042 01 049639F6C09100 ;Ladbrokes 1 PVU 3, 4.8E, 12149

P 0056 00 3F2242B6524CE3 ;SIS 2 GFX PVU7, 4.8E, 12149

P 0056 01 049639F6C09100 ;SIS 2 GFX PVU7, 4.8E, 12149

P 0058 00 3F2242B6524CE3 ;Ladbrokes Extra PVU5, 4.8E, 12149

P 0058 01 049639F6C09100 ;Ladbrokes Extra PVU5, 4.8E, 12149

P 005C 00 3F2242B6524CE3 ;SIS Spanish PVU2, 4.8E, 12149

P 005C 01 049639F6C09100 ;SIS Spanish PVU2, 4.8E, 12149

P 006C 00 3F2242B6524CE3 ;SIS MK Test PVU 8, 4.8E, 12149

P 006C 01 049639F6C09100 ;SIS MK Test PVU 8, 4.8E, 12149

P 0070 00 3F2242B6524CE3 ;PPTV2, 4.8E, 12149

P 0070 01 049639F6C09100 ;PPTV2, 4.8E, 12149

P 0071 00 3F2242B6524CE3 ;PPTV3, 4.8E, 12149

P 0071 01 049639F6C09100 ;PPTV3, 4.8E, 12149

P 0078 00 3F2242B6524CE3 ;Alphameric Studio and SIS+(PVU1), 4.8E, 12149

P 0078 01 049639F6C09100 ;Alphameric Studio and SIS+(PVU1), 4.8E, 12149

P 00C9 00 3F2242B6524CE3 ;MK Test, 4.8E, 12149

P 00C9 01 049639F6C09100 ;MK Test, 4.8E, 12149

P 00FA 00 3F2242B6524CE3 ;SIS BarOne Indep, 4.8E, 12149

P 00FA 01 049639F6C09100 ;SIS BarOne Indep, 4.8E, 12149

P 010A 00 3F2242B6524CE3 ;Ladbrokes Test, 4.8E, 12149

P 010A 01 049639F6C09100 ;Ladbrokes Test, 4.8E, 12149

P 0190 00 3F2242B6524CE3 ;SIS+ (PVU1), 4.8E, 12149

P 0190 01 049639F6C09100 ;SIS+ (PVU1), 4.8E, 12149

P 0004 00 3F2242B6524CE3 ;VBC TEMP, 4.8E, 12418

P 0004 01 049639F6C09100 ;VBC TEMP, 4.8E, 12418

P 000B 00 3F2242B6524CE3 ;SIS Racing, 4.8E, 12418

P 000B 01 049639F6C09100 ;SIS Racing, 4.8E, 12418

P 0021 00 3F2242B6524CE3 ;Ladbrokes SIS LES2 CISCO 1, 4.8E, 12418

P 0021 01 049639F6C09100 ;Ladbrokes SIS LES2 CISCO 1, 4.8E, 12418

P 0027 00 3F2242B6524CE3 ;Ladbrokes SIS DATA, 4.8E, 12418

P 0027 01 049639F6C09100 ;Ladbrokes SIS DATA, 4.8E, 12418

P 0031 00 3F2242B6524CE3 ;Betfred TOTE 2 CISCO 1, 4.8E, 12418

P 0031 01 049639F6C09100 ;Betfred TOTE 2 CISCO 1, 4.8E, 12418

P 0035 00 3F2242B6524CE3 ;William Hill IP CLEAR CISCO 6, 4.8E, 12418

P 0035 01 049639F6C09100 ;William Hill IP CLEAR CISCO 6, 4.8E, 12418

P 003B 00 3F2242B6524CE3 ;William Hill SIS DATA CISCO 6, 4.8E, 12418

P 003B 01 049639F6C09100 ;William Hill SIS DATA CISCO 6, 4.8E, 12418

P 005A 00 3F2242B6524CE3 ;SIS Euro Racing, 4.8E, 12418

P 005A 01 049639F6C09100 ;SIS Euro Racing, 4.8E, 12418

P 005B 00 3F2242B6524CE3 ;SIS Europe (NO DATA) CISCO 2, 4.8E, 12418

P 005B 01 049639F6C09100 ;SIS Europe (NO DATA) CISCO 2, 4.8E, 12418

P 006F 00 3F2242B6524CE3 ;PPTV1, 4.8E, 12418

P 006F 01 049639F6C09100 ;PPTV1, 4.8E, 12418

P 0073 00 3F2242B6524CE3 ;Test Channel CISCO 1, 4.8E, 12418

P 0073 01 049639F6C09100 ;Test Channel CISCO 1, 4.8E, 12418

P 007A 00 3F2242B6524CE3 ;Alphameric UK CISCO 1, 4.8E, 12418

P 007A 01 049639F6C09100 ;Alphameric UK CISCO 1, 4.8E, 12418

P 007B 00 3F2242B6524CE3 ;Alphameric IRISH CISCO 1, 4.8E, 12418

P 007B 01 049639F6C09100 ;Alphameric IRISH CISCO 1, 4.8E, 12418

P 0093 00 3F2242B6524CE3 ;New Boyles Sports CISCO 1, 4.8E, 12418

P 0093 01 049639F6C09100 ;New Boyles Sports CISCO 1, 4.8E, 12418

P 0099 00 3F2242B6524CE3 ;WH Test, 4.8E, 12418

P 0099 01 049639F6C09100 ;WH Test, 4.8E, 12418

P 00A0 00 3F2242B6524CE3 ;Betfred TOG CISCO 3, 4.8E, 12418

P 00A0 01 049639F6C09100 ;Betfred TOG CISCO 3, 4.8E, 12418

P 00A2 00 3F2242B6524CE3 ;Betfred TV (TTV) CISCO 4, 4.8E, 12418

P 00A2 01 049639F6C09100 ;Betfred TV (TTV) CISCO 4, 4.8E, 12418

P 00A3 00 3F2242B6524CE3 ;Betfred TV Virtual CISCO 5, 4.8E, 12418

P 00A3 01 049639F6C09100 ;Betfred TV Virtual CISCO 5, 4.8E, 12418

P 00A8 00 3F2242B6524CE3 ;Betfred SIS CISCO 1, 4.8E, 12418

P 00A8 01 049639F6C09100 ;Betfred SIS CISCO 1, 4.8E, 12418

P 00A9 00 3F2242B6524CE3 ;ALT VC 168, 4.8E, 12418

P 00A9 01 049639F6C09100 ;ALT VC 168, 4.8E, 12418

P 00C8 00 3F2242B6524CE3 ;MCUK Test, 4.8E, 12418

P 00C8 01 049639F6C09100 ;MCUK Test, 4.8E, 12418

P 0104 00 3F2242B6524CE3 ;Betfred TV1 temp, 4.8E, 12418

P 0104 01 049639F6C09100 ;Betfred TV1 temp, 4.8E, 12418

P 0106 00 3F2242B6524CE3 ;Betfred TV2 temp, 4.8E, 12418

P 0106 01 049639F6C09100 ;Betfred TV2 temp, 4.8E, 12418

P 0107 00 3F2242B6524CE3 ;Betfred TV3 temp, 4.8E, 12418

P 0107 01 049639F6C09100 ;Betfred TV3 temp, 4.8E, 12418

P 012E 00 3F2242B6524CE3 ;SIS UK CISCO 1, 4.8E, 12418

P 012E 01 049639F6C09100 ;SIS UK CISCO 1, 4.8E, 12418

P 01B1 00 3F2242B6524CE3 ;Test CISCO 1, 4.8E, 12418

P 01B1 01 049639F6C09100 ;Test CISCO 1, 4.8E, 12418

P 00558020 00 BFC4EF57666AC9 ;EMM Key

P 002B8EF7 00 B7F1C5CBCD1867 ;EMM Key

P 00595C6A 00 9A724EA38306C3 ;EMM Key

P 004042D8 00 D70A0BD206B274 ;EMM Key

P 004D61BC 00 850F8ECDA2D356 ;EMM Key

P 004D6864 00 7EA4FAA3A09FE3 ;EMM Key

P 00530ABD 00 ECF4B073C7F8A4 ;EMM Key

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P 0164 00 96365F795B54FC ;Cartoon/TCM Russia & S.E.E, 4.8E, 12303

P 0164 01 01104AD73016C3 ;Cartoon/TCM Russia & S.E.E, 4.8E, 12303

P 0165 00 96365F795B54FC ;CN TCM Russia, 4.8E, 12303

P 0165 01 01104AD73016C3 ;CN TCM Russia, (03-21), 4.8E, 12303

P 0166 00 96365F795B54FC ;CN TCM English (03-21), 4.8E, 12303

P 0166 01 01104AD73016C3 ;CN TCM English (03-21), 4.8E, 12303

P 01F5 00 96365F795B54FC ;Diva Universal Romania, 4.8E, 12303

P 01F5 01 01104AD73016C3 ;Diva Universal Romania, 4.8E, 12303

P 01F6 00 96365F795B54FC ;Diva Balkans, 4.8E, 12303

P 01F6 01 01104AD73016C3 ;Diva Balkans, 4.8E, 12303

P 0262 00 96365F795B54FC ;Diva Romania, 4.8E, 12303

P 0262 01 01104AD73016C3 ;Diva Romania, 4.8E, 12303

P 026C 00 96365F795B54FC ;Diva Balkans, 4.8E, 12303

P 026C 01 01104AD73016C3 ;Diva Balkans, 4.8E, 12303

P 026D 00 96365F795B54FC ;Universal Hungary, 4.8E, 12303

P 026D 01 01104AD73016C3 ;Universal Hungary, 4.8E, 12303

P 026F 00 96365F795B54FC ;Universal Hungary, 4.8E, 12303

P 026F 01 01104AD73016C3 ;Universal Hungary, 4.8E, 12303

P 0024B5A6 00 159F14C861263F ;EMM Key

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P 0064 00 5AD325299E6C6B ;Animal Planet Europe, 4.8E, 12322

P 0064 01 D55D4A690535CD ;Animal Planet Europe, 4.8E, 12322

P 0065 00 5AD325299E6C6B ;Animal Planet Europe, 4.8E, 12322

P 0065 01 D55D4A690535CD ;Animal Planet Europe, 4.8E, 12322

P 0066 00 5AD325299E6C6B ;Animal Planet Europe, 4.8E, 12322

P 0066 01 D55D4A690535CD ;Animal Planet Europe, 4.8E, 12322

P 00C8 00 5AD325299E6C6B ;Discovery Central Europe, 4.8E, 12322

P 00C8 01 D55D4A690535CD ;Discovery Central Europe, 4.8E, 12322

P 012C 00 5AD325299E6C6B ;Investigation Discovery Europe, 4.8E, 12322

P 012C 01 D55D4A690535CD ;Investigation Discovery Europe, 4.8E, 12322

P 012D 00 5AD325299E6C6B ;ID Europe, 4.8E, 12322

P 012D 01 D55D4A690535CD ;ID Europe, 4.8E, 12322

P 0190 00 5AD325299E6C6B ;Investigation Discovery Xtra, 4.8E, 12322

P 0190 01 D55D4A690535CD ;Investigation Discovery Xtra, 4.8E, 12322

P 0191 00 5AD325299E6C6B ;ID Xtra Europe, 4.8E, 12322

P 0191 01 D55D4A690535CD ;ID Xtra Europe, 4.8E, 12322

P 01F4 00 5AD325299E6C6B ;Discovery Channel Middle East, 4.8E, 12322

P 01F4 01 D55D4A690535CD ;Discovery Channel Middle East, 4.8E, 12322

P 0384 00 5AD325299E6C6B ;Discovery Science, 4.8E, 12322

P 0384 01 D55D4A690535CD ;Discovery Science, 4.8E, 12322

P 0385 00 5AD325299E6C6B ;Science Europe, 4.8E, 12322

P 0385 01 D55D4A690535CD ;Science Europe, 4.8E, 12322

P 0386 00 5AD325299E6C6B ;Science Europe, 4.8E, 12322

P 0386 01 D55D4A690535CD ;Science Europe, 4.8E, 12322

P 03E8 00 5AD325299E6C6B ;Discovery World, 4.8E, 12322

P 03E8 01 D55D4A690535CD ;Discovery World, 4.8E, 12322

P 03E9 00 5AD325299E6C6B ;Discovery World, 4.8E, 12322

P 03E9 01 D55D4A690535CD ;Discovery World, 4.8E, 12322

P 03EA 00 5AD325299E6C6B ;Discovery World, 4.8E, 12322

P 03EA 01 D55D4A690535CD ;Discovery World, 4.8E, 12322

P 044C 00 5AD325299E6C6B ;Discovery Channel Turkey HD, 4.8E, 12322

P 044C 01 D55D4A690535CD ;Discovery Channel Turkey HD, 4.8E, 12322

P 0514 00 5AD325299E6C6B ;Animal Planet Turkey HD, 4.8E, 12322

P 0514 01 D55D4A690535CD ;Animal Planet Turkey HD, 4.8E, 12322

P 05DC 00 5AD325299E6C6B ;Discovery Science Turkey HD, 4.8E, 12322

P 05DC 01 D55D4A690535CD ;Discovery Science Turkey HD, 4.8E, 12322

P 005E278F 00 2C803303B933A4 ;EMM Key

P 00622EE5 00 B80EA84B841E29 ;EMM Key

P 006019B6 00 ED840210914C59 ;EMM Key

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P 0064 00 30E02C21E61E8D ;Discovery Channel Hungary, 4.8E, 12360

P 0064 01 5708A7625C1E37 ;Discovery Channel Hungary, 4.8E, 12360

P 00C8 00 30E02C21E61E8D ;Investigation Discovery Hungary, 4.8E, 12360

P 00C8 01 5708A7625C1E37 ;Investigation Discovery Hungary, 4.8E, 12360

P 012C 00 30E02C21E61E8D ;Discovery Channel Romania, 4.8E, 12360

P 012C 01 5708A7625C1E37 ;Discovery Channel Romania, 4.8E, 12360

P 0258 00 30E02C21E61E8D ;Discovery Turbo Xtra Poland, 4.8E, 12360

P 0258 01 5708A7625C1E37 ;Discovery Turbo Xtra Poland, 4.8E, 12360

P 02BC 00 30E02C21E61E8D ;Discovery Channel Bulgaria, 4.8E, 12360

P 02BC 01 5708A7625C1E37 ;Discovery Channel Bulgaria, 4.8E, 12360

P 0320 00 30E02C21E61E8D ;TLC Balkans, 4.8E, 12360

P 0320 01 5708A7625C1E37 ;TLC Balkans, 4.8E, 12360

P 03E8 00 30E02C21E61E8D ;TLC Hungary, 4.8E, 12360

P 03E8 01 5708A7625C1E37 ;TLC Hungary, 4.8E, 12360

P 04B0 00 30E02C21E61E8D ;Discovery Channel Polska, 4.8E, 12360

P 04B0 01 5708A7625C1E37 ;Discovery Channel Polska, 4.8E, 12360

P 05DC 00 30E02C21E61E8D ;Discovery Life Poland, 4.8E, 12360

P 05DC 01 5708A7625C1E37 ;Discovery Life Poland, 4.8E, 12360

P 0640 00 30E02C21E61E8D ;Investigation Discovery Sweden, 4.8E, 12360

P 0640 01 5708A7625C1E37 ;Investigation Discovery Sweden, 4.8E, 12360

P 06A4 00 30E02C21E61E8D ;Animal Planet Poland HD, 4.8E, 12360

P 06A4 01 5708A7625C1E37 ;Animal Planet Poland HD, 4.8E, 12360

P 0708 00 30E02C21E61E8D ;Discovery Science Poland HD, 4.8E, 12360

P 0708 01 5708A7625C1E37 ;Discovery Science Poland HD, 4.8E, 12360

P 0834 00 30E02C21E61E8D ;Investigation Discovery Polska, 4.8E, 12360

P 0834 01 5708A7625C1E37 ;Investigation Discovery Polska, 4.8E, 12360

P 0898 00 30E02C21E61E8D ;Discovery Channel Sweden, 4.8E, 12360

P 0898 01 5708A7625C1E37 ;Discovery Channel Sweden, 4.8E, 12360

P 0B54 00 30E02C21E61E8D ;TLC Europe, 4.8E, 12360

P 0B54 01 5708A7625C1E37 ;TLC Europe, 4.8E, 12360

P 0B55 00 30E02C21E61E8D ;TLC Pan Regional Portuguese, 4.8E, 12360

P 0B55 01 5708A7625C1E37 ;TLC Pan Regional Portuguese, 4.8E, 12360

P 0C1C 00 30E02C21E61E8D ;TLC Poland HD, 4.8E, 12360

P 0C1C 01 5708A7625C1E37 ;TLC Poland HD, 4.8E, 12360

P 00623910 00 D6795F87CC1CBC ;EMM Key

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P 022B 00 919AA30B7D9E86 ;AFN Guide,9.0E, 11766

P 022B 01 803317A3C5BEA4 ;AFN Guide,9.0E, 11766

P 0001 00 919AA30B7D9E86 ;AFN Sports,9.0E, 11804

P 0001 01 803317A3C5BEA4 ;AFN Sports,9.0E, 11804

P 0002 00 919AA30B7D9E86 ;AFN Prime Atlantic Benelux,9.0E, 11804

P 0002 01 803317A3C5BEA4 ;AFN Prime Atlantic Benelux,9.0E, 11804

P 0003 00 919AA30B7D9E86 ;AFN Spectrum,9.0E, 11804

P 0003 01 803317A3C5BEA4 ;AFN Spectrum,9.0E, 11804

P 0004 00 919AA30B7D9E86 ;AFN Prime Pacific,9.0E, 11804

P 0004 01 803317A3C5BEA4 ;AFN Prime Pacific,9.0E, 11804

P 0005 00 919AA30B7D9E86 ;AFN News,9.0E, 11804

P 0005 01 803317A3C5BEA4 ;AFN News,9.0E, 11804

P 0006 00 919AA30B7D9E86 ;AFN Sports 2,9.0E, 11804

P 0006 01 803317A3C5BEA4 ;AFN Sports 2,9.0E, 11804

P 0007 00 919AA30B7D9E86 ;AFN Guide,9.0E, 11804

P 0007 01 803317A3C5BEA4 ;AFN Guide,9.0E, 11804

P 0009 00 919AA30B7D9E86 ;AFN Family,9.0E, 11804

P 0009 01 803317A3C5BEA4 ;AFN Family,9.0E, 11804

P 000A 00 919AA30B7D9E86 ;AFN Movie Channel,9.0E, 11804

P 000A 01 803317A3C5BEA4 ;AFN Movie Channel,9.0E, 11804

P 000B 00 919AA30B7D9E86 ;AFN Sports HD,9.0E, 11804

P 000B 01 803317A3C5BEA4 ;AFN Sports HD,9.0E, 11804

P 0063 00 919AA30B7D9E86 ;Download,9.0E, 11804

P 0063 01 803317A3C5BEA4 ;Download,9.0E, 11804

P 006B 00 919AA30B7D9E86 ;Decoder Expired, 9.0E, 11804

P 006B 01 803317A3C5BEA4 ;Decoder Expired, 9.0E, 11804

P 0014 00 919AA30B7D9E86 ;PowerTalk (Radio),9.0E, 11804

P 0014 01 803317A3C5BEA4 ;PowerTalk (Radio),9.0E, 11804

P 0015 00 919AA30B7D9E86 ;Freedom (Radio),9.0E, 11804

P 0015 01 803317A3C5BEA4 ;Freedom (Radio),9.0E, 11804

P 0016 00 919AA30B7D9E86 ;Country (Radio),9.0E, 11804

P 0016 01 803317A3C5BEA4 ;Country (Radio),9.0E, 11804

P 0017 00 919AA30B7D9E86 ;Joe FM (Radio),9.0E, 11804

P 0017 01 803317A3C5BEA4 ;Joe FM (Radio),9.0E, 11804

P 0018 00 919AA30B7D9E86 ;NPR International (Radio),9.0E, 11804

P 0018 01 803317A3C5BEA4 ;NPR International (Radio),9.0E, 11804

P 0019 00 919AA30B7D9E86 ;Voice (Radio),9.0E, 11804

P 0019 01 803317A3C5BEA4 ;Voice (Radio),9.0E, 11804

P 001A 00 919AA30B7D9E86 ;Seasonal (Radio),9.0E, 11804

P 001A 01 803317A3C5BEA4 ;Seasonal (Radio),9.0E, 11804

P 001B 00 919AA30B7D9E86 ;Gravity (Radio),9.0E, 11804

P 001B 01 803317A3C5BEA4 ;Gravity (Radio),9.0E, 11804

P 001C 00 919AA30B7D9E86 ;Legacy (Radio),9.0E, 11804

P 001C 01 803317A3C5BEA4 ;Legacy (Radio),9.0E, 11804

P 001D 00 919AA30B7D9E86 ;Hot AC (Radio),9.0E, 11804

P 001D 01 803317A3C5BEA4 ;Hot AC (Radio),9.0E, 11804

P 001F 00 919AA30B7D9E86 ;Clutch (Radio),9.0E, 11804

P 001F 01 803317A3C5BEA4 ;Clutch (Radio),9.0E, 11804

P 0020 00 919AA30B7D9E86 ;Fan (Radio),9.0E, 11804

P 0020 01 803317A3C5BEA4 ;Fan (Radio),9.0E, 11804

P 0021 00 919AA30B7D9E86 ;Eagle (Radio),9.0E, 11804

P 0021 01 803317A3C5BEA4 ;Eagle (Radio),9.0E, 11804

P 0023 00 919AA30B7D9E86 ;Regional PowerNet (Radio),9.0E, 11804

P 0023 01 803317A3C5BEA4 ;Regional PowerNet (Radio),9.0E, 11804

P 0025 00 919AA30B7D9E86 ;Eagle (Radio),9.0E, 11804

P 0025 01 803317A3C5BEA4 ;Eagle (Radio),9.0E, 11804

P 0070 00 919AA30B7D9E86 ;Bavaria Eagle (Radio),9.0E, 11804

P 0070 01 803317A3C5BEA4 ;Bavaria Eagle (Radio),9.0E, 11804

P 007A 00 919AA30B7D9E86 ;Aviano Eagle (Radio),9.0E, 11804

P 007A 01 803317A3C5BEA4 ;Aviano Eagle (Radio),9.0E, 11804

P 0084 00 919AA30B7D9E86 ;Wiesbaden Eagle (Radio),9.0E, 11804

P 0084 01 803317A3C5BEA4 ;Wiesbaden Eagle (Radio),9.0E, 11804

P 008E 00 919AA30B7D9E86 ;Vicenza Eagle (Radio),9.0E, 11804

P 008E 01 803317A3C5BEA4 ;Vicenza Eagle (Radio),9.0E, 11804

P 0098 00 919AA30B7D9E86 ;Stuttgart Eagle (Radio),9.0E, 11804

P 0098 01 803317A3C5BEA4 ;Stuttgart Eagle (Radio),9.0E, 11804

P 00A2 00 919AA30B7D9E86 ;Rota Eagle (Radio),9.0E, 11804

P 00A2 01 803317A3C5BEA4 ;Rota Eagle (Radio),9.0E, 11804

P 00A4 00 919AA30B7D9E86 ;Souda Bay Eagle (Radio),9.0E, 11804

P 00A4 01 803317A3C5BEA4 ;Souda Bay Eagle (Radio),9.0E, 11804

P 00B6 00 919AA30B7D9E86 ;Naples Eagle (Radio),9.0E, 11804

P 00B6 01 803317A3C5BEA4 ;Naples Eagle (Radio),9.0E, 11804

P 00C0 00 919AA30B7D9E86 ;K-Town Eagle (Radio),9.0E, 11804

P 00C0 01 803317A3C5BEA4 ;K-Town Eagle (Radio),9.0E, 11804

P 00D4 00 919AA30B7D9E86 ;Benelux Eagle (Radio),9.0E, 11804

P 00D4 01 803317A3C5BEA4 ;Benelux Eagle (Radio),9.0E, 11804

P 00E8 00 919AA30B7D9E86 ;Spangdahlem Eagle (Radio),9.0E, 11804

P 00E8 01 803317A3C5BEA4 ;Spangdahlem Eagle (Radio),9.0E, 11804

P 00233C13 00 245B87F60D2D9D ;EMM Key

P 00540716 00 FCCD8E6C12268A ;EMM Key

P 0057B90F 00 2C280A7807F63D ;EMM Key

P 00544CE1 00 AB6A053EF67E7D ;EMM Key

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P 0009 00 67829E361532A1 ;BCC TV 1, 9.0E, 11823

P 0009 01 5A907D39EAD7FF ;BCC TV 1, 9.0E, 11823

P 000A 00 67829E361532A1 ;BCC TV 2, 9.0E, 11823

P 000A 01 5A907D39EAD7FF ;BCC TV 2, 9.0E, 11823

P 000B 00 67829E361532A1 ;BCC TV 1 and 2, 9.0E, 11823

P 000B 01 5A907D39EAD7FF ;BCC TV 1 and 2, 9.0E, 11823

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P 0001 00 CF8F8EBA3286A4 ;Unire TV 1, 16E, 12654

P 0001 01 8C0993635C22EA ;Unire TV 1, 16E, 12654

P 0002 00 CF8F8EBA3286A4 ;Unire TV 2, 16E, 12654

P 0002 01 8C0993635C22EA ;Unire TV 2, 16E, 12654

P 000A 00 CF8F8EBA3286A4 ;Unire Blu, 16E, 12654

P 000A 01 8C0993635C22EA ;Unire Blu, 16E, 12654

P 004F1DF6 00 28D3FD510949EB ;EMM Key

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P 0004 00 0123456789ABCD ;Snai Sat, 16E, 12699

P 0004 01 97D6968EEC34A3 ;Snai Sat, 16E, 12699

P 0007 00 0123456789ABCD ;SNAI TV Virtuali1, 16E, 12699

P 0007 01 97D6968EEC34A3 ;SNAI TV Virtuali1, 16E, 12699

P 002C 00 0123456789ABCD ;SNAI TV Virtuali1, 16E, 12699

P 002C 01 97D6968EEC34A3 ;SNAI TV Virtuali1, 16E, 12699

P 004D 00 0123456789ABCD ;Radio Unico, 16E, 12699

P 004D 01 97D6968EEC34A3 ;Radio Unico, 16E, 12699

P 004E8EC0 00 C574482270F77E ;EMM Key

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P 0065 00 B91E8D923A423C ;Special Event, 57.0E, 4147R

P 0065 01 F51C3349ED90DF ;Special Event, 57.0E, 4147R

P 0066 00 B91E8D923A423C ;MSNBC, 57.0E, 4147R

P 0066 01 F51C3349ED90DF ;MSNBC, 57.0E, 4147R

P 0067 00 B91E8D923A423C ;Fox News, 57.0E, 4147R

P 0067 01 F51C3349ED90DF ;Fox News, 57.0E, 4147R

P 0068 00 B91E8D923A423C ;CNBC, 57.0E, 4147R

P 0068 01 F51C3349ED90DF ;CNBC, 57.0E, 4147R

P 0069 00 B91E8D923A423C ;Sky News, 57.0E, 4147R

P 0069 01 F51C3349ED90DF ;Sky News, 57.0E, 4147R

P 006B 00 B91E8D923A423C ;BBC World News, 57.0E, 4147R

P 006B 01 F51C3349ED90DF ;BBC World News, 57.0E, 4147R

P 006C 00 B91E8D923A423C ;Sky Sports, 57.0E, 4147R

P 006C 01 F51C3349ED90DF ;Sky Sports, 57.0E, 4147R

P 006D 00 B91E8D923A423C ;Sport 24 HD, 57.0E, 4147R

P 006D 01 F51C3349ED90DF ;Sport 24 HD, 57.0E, 4147R

P 006E 00 B91E8D923A423C ;Prime US, 57.0E, 4147R

P 006E 01 F51C3349ED90DF ;Prime US, 57.0E, 4147R

P 006F 00 B91E8D923A423C ;ITV Choice, 57.0E, 4147R

P 006F 01 F51C3349ED90DF ;ITV Choice, 57.0E, 4147R

P 0070 00 B91E8D923A423C ;RTL Deutschland, 57.0E, 4147R

P 0070 01 F51C3349ED90DF ;RTL Deutschland, 57.0E, 4147R

P 0071 00 B91E8D923A423C ;Australia Sky News, 57.0E, 4147R

P 0071 01 F51C3349ED90DF ;Australia Sky News, 57.0E, 4147R

P 0072 00 B91E8D923A423C ;Colors TV, 57.0E, 4147R

P 0072 01 F51C3349ED90DF ;Colors TV, 57.0E, 4147R

P 0073 00 B91E8D923A423C ;TFC, 57.0E, 4147R

P 0073 01 F51C3349ED90DF ;TFC, 57.0E, 4147R

P 0074 00 B91E8D923A423C ;Prime Favorites, 57.0E, 4147R

P 0074 01 F51C3349ED90DF ;Prime Favorites, 57.0E, 4147R

P 0075 00 B91E8D923A423C ;BBC HD, 57.0E, 4147R

P 0075 01 F51C3349ED90DF ;BBC HD, 57.0E, 4147R

P 0076 00 B91E8D923A423C ;TVE Internacional, 57.0E, 4147R

P 0076 01 F51C3349ED90DF ;TVE Internacional, 57.0E, 4147R

P 0078 00 B91E8D923A423C ;Australia Sky Business, 57.0E, 4147R

P 0078 01 F51C3349ED90DF ;Australia Sky Business, 57.0E, 4147R

P 0079 00 B91E8D923A423C ;Australia Sky Sports, 57.0E, 4147R

P 0079 01 F51C3349ED90DF ;Australia Sky Sports, 57.0E, 4147R

P 007A 00 B91E8D923A423C ;CCTV 4, 57.0E, 4147R

P 007A 01 F51C3349ED90DF ;CCTV 4, 57.0E, 4147R

P 007B 00 B91E8D923A423C ;Shanghai TV, 57.0E, 4147R

P 007B 01 F51C3349ED90DF ;Shanghai TV, 57.0E, 4147R

P 007C 00 B91E8D923A423C ;Jiangsu TV, 57.0E, 4147R

P 007C 01 F51C3349ED90DF ;Jiangsu TV, 57.0E, 4147R

P 007D 00 B91E8D923A423C ;Hunan TV, 57.0E, 4147R

P 007D 01 F51C3349ED90DF ;Hunan TV, 57.0E, 4147R

P 007E 00 B91E8D923A423C ;Beijing TV, 57.0E, 4147R

P 007E 01 F51C3349ED90DF ;Beijing TV, 57.0E, 4147R

P 007F 00 B91E8D923A423C ;Zhejiang TV, 57.0E, 4147R

P 007F 01 F51C3349ED90DF ;Zhejiang TV, 57.0E, 4147R

P 0080 00 B91E8D923A423C ;China Movie Channel, 57.0E, 4147R

P 0080 01 F51C3349ED90DF ;China Movie Channel, 57.0E, 4147R

P 0081 00 B91E8D923A423C ;CCTV Entertainment, 57.0E, 4147R

P 0081 01 F51C3349ED90DF ;CCTV Entertainment, 57.0E, 4147R

P 00C8 00 B91E8D923A423C ;Special Event, 57.0E, 4147R

P 00C8 01 F51C3349ED90DF ;Special Event, 57.0E, 4147R

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P 0014 01 1B23CC81848611 ;NBCU E! Entertainment, 68.5E, 12561 V

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P 0514 00 30E02C21E61E8D ;Discovery Historia Polska, 1W, 12303

P 0514 01 5708A7625C1E37 ;Discovery Historia Polska, 1W, 12303

P 0578 00 30E02C21E61E8D ;Discovery Iberia, 1W, 12303

P 0578 01 5708A7625C1E37 ;Discovery Iberia, 1W, 12303

P 0579 00 30E02C21E61E8D ;Discovery Spain, 1W, 12303

P 0579 01 5708A7625C1E37 ;Discovery Spain, 1W, 12303

P 057A 00 30E02C21E61E8D ;Discovery Portugal, 1W, 12303

P 057A 01 5708A7625C1E37 ;Discovery Portugal, 1W, 12303

P 08FC 00 30E02C21E61E8D ;Discovery Turbo Xtra, 1W, 12303

P 08FC 01 5708A7625C1E37 ;Discovery Turbo Xtra, 1W, 12303

P 09C4 00 30E02C21E61E8D ;Discovery HD Showcase, 1W, 12303

P 09C4 01 5708A7625C1E37 ;Discovery HD Showcase, 1W, 12303

P 09C5 00 30E02C21E61E8D ;Discovery HD Czech/Hun, 1W, 12303

P 09C5 01 5708A7625C1E37 ;Discovery HD Czech/Hun, 1W, 12303

P 09C6 00 30E02C21E61E8D ;Discovery HD Russia, 1W, 12303

P 09C6 01 5708A7625C1E37 ;Discovery HD Russia, 1W, 12303

P 09C7 00 30E02C21E61E8D ;Discovery HD Czech, 1W, 12303

P 09C7 01 5708A7625C1E37 ;Discovery HD Czech, 1W, 12303

P 09C8 00 30E02C21E61E8D ;Discovery HD Turkish, 1W, 12303

P 09C8 01 5708A7625C1E37 ;Discovery HD Turkish, 1W, 12303

P 09C9 00 30E02C21E61E8D ;Discovery HD Hungarian, 1W, 12303

P 09C9 01 5708A7625C1E37 ;Discovery HD Hungarian, 1W, 12303

P 09CA 00 30E02C21E61E8D ;Discovery HD Showcase Europe, 1W, 12303

P 09CA 01 5708A7625C1E37 ;Discovery HD Showcase Europe, 1W, 12303

P 0A28 00 30E02C21E61E8D ;Animal Planet HD, 1W, 12303

P 0A28 01 5708A7625C1E37 ;Animal Planet HD, 1W, 12303

P 0A29 00 30E02C21E61E8D ;Animal Planet HD Polish, 1W, 12303

P 0A29 01 5708A7625C1E37 ;Animal Planet HD Polish, 1W, 12303

P 0A2A 00 30E02C21E61E8D ;Animal Planet HD Russian, 1W, 12303

P 0A2A 01 5708A7625C1E37 ;Animal Planet HD Russian, 1W, 12303

P 0A2B 00 30E02C21E61E8D ;Animal Planet HD Czech, 1W, 12303

P 0A2B 01 5708A7625C1E37 ;Animal Planet HD Czech, 1W, 12303

P 0A2C 00 30E02C21E61E8D ;Animal Planet HD Turkish, 1W, 12303

P 0A2C 01 5708A7625C1E37 ;Animal Planet HD Turkish, 1W, 12303

P 0A2D 00 30E02C21E61E8D ;Animal Planet HD Hungarian, 1W, 12303

P 0A2D 01 5708A7625C1E37 ;Animal Planet HD Hungarian, 1W, 12303

P 0A2E 00 30E02C21E61E8D ;Animal Planet HD, 1W, 12303

P 0A2E 01 5708A7625C1E37 ;Animal Planet HD, 1W, 12303

P 0A8C 00 30E02C21E61E8D ;ID Xtra Europe HD, 1W, 12303

P 0A8C 01 5708A7625C1E37 ;ID Xtra Europe HD, 1W, 12303

P 0A8D 00 30E02C21E61E8D ;ID Xtra Europe HD, 1W, 12303

P 0A8D 01 5708A7625C1E37 ;ID Xtra Europe HD, 1W, 12303

P 0A8E 00 30E02C21E61E8D ;ID Xtra Europe HD, 1W, 12303

P 0A8E 01 5708A7625C1E37 ;ID Xtra Europe HD, 1W, 12303

P 0AF0 00 30E02C21E61E8D ;Discovery Poland HD, 1W, 12303

P 0AF0 01 5708A7625C1E37 ;Discovery Poland HD, 1W, 12303

P 0BB8 00 30E02C21E61E8D ;Discovery Turbo Xtra HD, 1W, 12303

P 0BB8 01 5708A7625C1E37 ;Discovery Turbo Xtra HD, 1W, 12303

P 0BB9 00 30E02C21E61E8D ;Discovery Turbo Xtra, 1W, 12303

P 0BB9 01 5708A7625C1E37 ;Discovery Turbo Xtra, 1W, 12303

P 0BBA 00 30E02C21E61E8D ;Discovery Turbo Xtra, 1W, 12303

P 0BBA 01 5708A7625C1E37 ;Discovery Turbo Xtra, 1W, 12303

P 0C80 00 30E02C21E61E8D ;Discovery Science Europe HD, 1W, 12303

P 0C80 01 5708A7625C1E37 ;Discovery Science Europe HD, 1W, 12303

P 0C81 00 30E02C21E61E8D ;Science Europe HD Hungarian, 1W, 12303

P 0C81 01 5708A7625C1E37 ;Science Europe HD Hungarian, 1W, 12303

P 0C82 00 30E02C21E61E8D ;Science Europe HD Turkish, 1W, 12303

P 0C82 01 5708A7625C1E37 ;Science Europe HD Turkish, 1W, 12303

P 0C83 00 30E02C21E61E8D ;Science Europe HD Russian, 1W, 12303

P 0C83 01 5708A7625C1E37 ;Science Europe HD Russian, 1W, 12303

P 0C84 00 30E02C21E61E8D ;Science Europe HD Czech, 1W, 12303

P 0C84 01 5708A7625C1E37 ;Science Europe HD Czech, 1W, 12303

P 0C85 00 30E02C21E61E8D ;Discovery Science Europe HD, 1W, 12303

P 0C85 01 5708A7625C1E37 ;Discovery Science Europe HD, 1W, 12303

P 00623910 00 D6795F87CC1CBC ;EMM Key

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P 01FE 00 B07EC58F412BD7 ;The Fight Network, 15W, 11161

P 01FE 01 A52E79D341F87F ;The Fight Network, 15W, 11161

P 005D8013 00 22C3627C45D633 ;EMM Key

P 0060A424 00 6C01ECC7ADC342 ;EMM Key

P 0060AF19 00 723F737A57370E ;EMM Key

P 00612C35 00 A800B5CF633602 ;EMM Key

P 00612C62 00 F5003FD8BE08A2 ;EMM Key

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P 0002 00 56596630737AE2 ;BYU TV, 15W, 11568 H

P 0002 01 5D52F62E082733 ;BYU TV, 15W, 11568 H

P 00648E11 00 D8E6985B24D02C ;EMM Key

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P 0065 00 B91E8D923A423C ;Special Event, 20.0W, 12513 H

P 0065 01 F51C3349ED90DF ;Special Event, 20.0W, 12513 H

P 0066 00 B91E8D923A423C ;MSNBC, 20.0W, 12513 H

P 0066 01 F51C3349ED90DF ;MSNBC, 20.0W, 12513 H

P 0067 00 B91E8D923A423C ;Fox News, 20.0W, 12513 H

P 0067 01 F51C3349ED90DF ;Fox News, 20.0W, 12513 H

P 0068 00 B91E8D923A423C ;CNBC US, 20.0W, 12513 H

P 0068 01 F51C3349ED90DF ;CNBC US, 20.0W, 12513 H

P 0069 00 B91E8D923A423C ;Sky News International, 20.0W, 12513 H

P 0069 01 F51C3349ED90DF ;Sky News International, 20.0W, 12513 H

P 006A 00 B91E8D923A423C ;BBC World News, 20.0W, 12513 H

P 006A 01 F51C3349ED90DF ;BBC World News, 20.0W, 12513 H

P 006C 00 B91E8D923A423C ;Sky Sports News UK, 20.0W, 12513 H

P 006C 01 F51C3349ED90DF ;Sky Sports News UK, 20.0W, 12513 H

P 006D 00 B91E8D923A423C ;Sport 24 HD, 20.0W, 12513 H

P 006D 01 F51C3349ED90DF ;Sport 24 HD, 20.0W, 12513 H

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P 0065 00 A12204A3A3F926 ;Agencia EFE, 30W, 11510

P 0065 01 0491C9779E03F9 ;Agencia EFE, 30W, 11510

P 002C2D1C 00 BC4E01183904AD ;EMM Key 30.0W 11510

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P 07F9 00 191F1B713B6777 ;Agencia EFE, 30W, 12563

P 07F9 01 1D1BE37186BEA0 ;Agencia EFE, 30W, 12563

P 005B5030 00 8FF6FBD0AF7218 ;EMM Key

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P 0065 00 F476FE2D797A7A ;Elgourment North HD, 40.5W, 3723

P 0065 01 3B2C1886587E6D ;Elgourment North HD, 40.5W, 3723

P 0066 00 F476FE2D797A7A ;Mas Chic Domestic HD, 40.5W, 3723

P 0066 01 3B2C1886587E6D ;Mas Chic Domestic HD, 40.5W, 3723

P 0067 00 F476FE2D797A7A ;Film & Arts Mйxico HD, 40.5W, 3723

P 0067 01 3B2C1886587E6D ;Film & Arts Mйxico HD, 40.5W, 3723

P 0069 00 F476FE2D797A7A ;Sundance TV Brasil HD, 40.5W, 3723

P 0069 01 3B2C1886587E6D ;Sundance TV Brasil HD, 40.5W, 3723

P 006A 00 F476FE2D797A7A ;AMC Brazil HD, 40.5W, 3723

P 006A 01 3B2C1886587E6D ;AMC Brazil HD, 40.5W, 3723

P 006B 00 F476FE2D797A7A ;AMC Mexico, 40.5W, 3723

P 006B 01 3B2C1886587E6D ;AMC Mexico, 40.5W, 3723

P 00D2 00 DB01900E830AB1 ;Fox Brasil HD, 40.5W, 3723

P 00D2 01 E8F3B10BAD6553 ;Fox Brasil HD, 40.5W, 3723

P 00DC 00 DB01900E830AB1 ;Nat Geo Brasil HD, 40.5W, 3723

P 00DC 01 E8F3B10BAD6553 ;Nat Geo Brasil HD, 40.5W, 3723

P 00E6 00 DB01900E830AB1 ;FX Brasil HD, 40.5W, 3723

P 00E6 01 E8F3B10BAD6553 ;FX Brasil HD, 40.5W, 3723

P 00F0 00 DB01900E830AB1 ;Fox Life Brasil HD, 40.5W, 3723

P 00F0 01 E8F3B10BAD6553 ;Fox Life Brasil HD, 40.5W, 3723

P 00FA 00 DB01900E830AB1 ;Nat Geo Wild HD Brasil, 40.5W, 3723

P 00FA 01 E8F3B10BAD6553 ;Nat Geo Wild HD Brasil, 40.5W, 3723

P 000C 00 C94E06B70433D6 ;Nat Geo Latino America, 40.5W, 3736

P 000C 01 E1161571C63F58 ;Nat Geo Latino America, 40.5W, 3736

P 0010 00 C94E06B70433D6 ;Fox Central, 40.5W, 3736

P 0010 01 E1161571C63F58 ;Fox Central, 40.5W, 3736

P 001F 00 C94E06B70433D6 ;Fox Life Latin, 40.5W, 3736

P 001F 01 E1161571C63F58 ;Fox Life Latin, 40.5W, 3736

P 0028 00 C94E06B70433D6 ;MundoFox Latin, 40.5W, 3736

P 0028 01 E1161571C63F58 ;MundoFox Latin, 40.5W, 3736

P 0033 00 C94E06B70433D6 ;FX Brasil, 40.5W, 3736

P 0033 01 E1161571C63F58 ;FX Brasil, 40.5W, 3736

P 006F 00 93AB2F2CC7B55C ;ESPN Brasil HD, 40.5W, 3980

P 006F 01 FF831F83A4867E ;ESPN Brasil HD, 40.5W, 3980

P 0070 00 93AB2F2CC7B55C ;ESPN INET HD, 40.5W, 3980

P 0070 01 FF831F83A4867E ;ESPN INET HD, 40.5W, 3980

P 0071 00 93AB2F2CC7B55C ;ESPN Brasil, 40.5W, 3980

P 0071 01 FF831F83A4867E ;ESPN Brasil, 40.5W, 3980

P 00C9 00 93AB2F2CC7B55C ;ESPN+ HD, 40.5W, 3980

P 00C9 01 FF831F83A4867E ;ESPN+ HD, 40.5W, 3980

P 0004 00 B5EC545E2EE86A ;INH, 40.5W, 3883

P 0004 01 0471E118CDD3C6 ;INH, 40.5W, 3883

P 0011 00 437DD3B2A0A6D5 ;VTV HD, 40.5W, 4065

P 0011 01 466B3B814138E1 ;VTV HD, 40.5W, 4065

P 0013 00 437DD3B2A0A6D5 ;Gol TV HD, 40.5W, 4065

P 0013 01 466B3B814138E1 ;Gol TV HD, 40.5W, 4065

P 0017 00 437DD3B2A0A6D5 ;Gol TV Alternate, 40.5W, 4065

P 0017 01 466B3B814138E1 ;Gol TV Alternate, 40.5W, 4065

P 005E9E93 00 A78B992C6C86DB ;EMM Key

P 005D1896 00 339DDA82ADB558 ;EMM Key

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# BISS KEYS RADIO #

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F 056F1FFF 00 DEDE00BC00000000 ;SERVICE 1 (42.0°E)

F 056F1FFF 01 DEDE00BC00000000 ;SERVICE 1 (42.0°E)

F 05711FFF 00 DEDE00BC00000000 ;SERVICE 2 (42.0°E)

F 05711FFF 01 DEDE00BC00000000 ;SERVICE 2 (42.0°E)

F 05731FFF 00 DEDE00BC00000000 ;SERVICE 3 (42.0°E)

F 05731FFF 01 DEDE00BC00000000 ;SERVICE 3 (42.0°E)

F 05751FFF 00 DEDE00BC00000000 ;SERVICE 4 (42.0°E)

F 05751FFF 01 DEDE00BC00000000 ;SERVICE 4 (42.0°E)

F 291A1FFF 00 1000001000000000 ;INTERCOM (42.0°E)

F 291A1FFF 01 1000001000000000 ;INTERCOM (42.0°E)

F 2A9A1FFF 00 FDFDCFC9CFABBA34 ;INTERCOMM (42.0°E)

F 2A9A1FFF 01 FDFDCFC9CFABBA34 ;INTERCOMM (42.0°E)

F 2BC31FFF 00 002123441361188C ;INTERCOM (42.0°E)

F 2BC31FFF 01 002123441361188C ;INTERCOM (42.0°E)

F 2BC41FFF 00 002123441361188C ;INTERCOM HT (42.0°E)

F 2BC41FFF 01 002123441361188C ;INTERCOM HT (42.0°E)

F 2BC51FFF 00 002123441361188C ;INTERCOM BL (42.0°E)

F 2BC51FFF 01 002123441361188C ;INTERCOM BL (42.0°E)

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# BISS KEYS #

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F 00011FFF 00 0327022C106251C3 ;RSCC Channels (140.0°E)

F 00011FFF 01 0327022C106251C3 ;RSCC Channels (140.0°E)

F 00021FFF 00 0327022C106251C3 ;Rossiya 1 +8h (140.0°E)

F 00021FFF 01 0327022C106251C3 ;Rossiya 1 +8h (140.0°E)

F 00061FFF 00 0327022C106251C3 ;Rossiya 1 +6h (140.0°E)

F 00061FFF 01 0327022C106251C3 ;Rossiya 1 +6h (140.0°E)

F 00071FFF 01 2608396712043811 ;Match! TV (140.0°E)

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F 00031FFF 00 1111113311111133 ;IRIB TV 3 (105.5°E)

F 00031FFF 01 1111113311111133 ;IRIB TV 3 (105.5°E)

F 00031FFF 00 B3F82903C7A368B0 ;PTV K feeds (105.5°E)

F 00031FFF 01 B3F82903C7A368B0 ;PTV K feeds (105.5°E)

F 000B1FFF 00 12345AA0BC6789AC ;Bangladesh TV (105.5°E)

F 000B1FFF 01 12345AA0BC6789AC ;Bangladesh TV (105.5°E)

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F 00021FFF 00 0327022C106251C3 ;Rossiya1 +6h (103.0°E)

F 00021FFF 01 0327022C106251C3 ;Rossiya1 +6h (103.0°E)

F 00051FFF 00 0327022C106251C3 ;Rossiya1 +8h (103.0°E)

F 00051FFF 01 0327022C106251C3 ;Rossiya1 +8h (103.0°E)

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F 00011FFF 00 0327022C106251C3 ;RSCC Channels (96.5°E)

F 00011FFF 01 0327022C106251C3 ;RSCC Channels (96.5°E)

F 00021FFF 00 0327022C106251C3 ;Rossiya1 +6h (96.5°E)

F 00021FFF 01 0327022C106251C3 ;Rossiya1 +6h (96.5°E)

F 00051FFF 00 0327022C106251C3 ;Rossiya1 +8h (96.5°E)

F 00051FFF 01 0327022C106251C3 ;Rossiya1 +8h (96.5°E)

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F 000F1FFF 00 0404767E0404767E ;Dog TV Asia (91.5°E)

F 000F1FFF 01 0404767E0404767E ;Dog TV Asia (91.5°E)

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F 00011FFF 00 0327022C106251C3 ;Russian Channels (90.0°E)

F 00011FFF 01 0327022C106251C3 ;Russian Channels (90.0°E)

F 00071FFF 00 C12345006789AB00 ;STS +4h (90.0°E)

F 00071FFF 01 C12345006789AB00 ;STS +4h (90.0°E)

F 00081FFF 00 ABC1238F45678935 ;Telekanal Che +4h (90.0°E)

F 00081FFF 01 ABC1238F45678935 ;Telekanal Che +4h (90.0°E)

F 00091FFF 00 D12345006789AB00 ;Domashnij Telekanal +4h (90.0°E)

F 00091FFF 01 D12345006789AB00 ;Domashnij Telekanal +4h (90.0°E)

F 00091FFF 00 6BA1E5F174BBCAF9 ;Kanal Disney +7h (90.0°E)

F 00091FFF 01 6BA1E5F174BBCAF9 ;Kanal Disney +7h (90.0°E)

F 000A1FFF 00 62696E39676F7349 ;Lifestyle TV 1 (90.0°E)

F 000A1FFF 01 62696E39676F7349 ;Lifestyle TV 1 (90.0°E)

F 000B1FFF 00 62696E39676F7349 ;Lifestyle TV 2 (90.0°E)

F 000B1FFF 01 62696E39676F7349 ;Lifestyle TV 2 (90.0°E)

F 000C1FFF 00 62696E39676F7349 ;Lifestyle TV 3 (90.0°E)

F 000C1FFF 01 62696E39676F7349 ;Lifestyle TV 3 (90.0°E)

F 000D1FFF 00 62696E39676F7349 ;Lifestyle TV 4 (90.0°E)

F 000D1FFF 01 62696E39676F7349 ;Lifestyle TV 4 (90.0°E)

F 000E1FFF 00 62696E39676F7349 ;Lifestyle TV 5 (90.0°E)

F 000E1FFF 01 62696E39676F7349 ;Lifestyle TV 5 (90.0°E)

F 000E1FFF 00 C12345006789AB00 ;STS +7h (90.0°E)

F 000E1FFF 01 C12345006789AB00 ;STS +7h (90.0°E)

F 000F1FFF 00 ABC1238F45678935 ;Telekanal Che +7h (90.0°E)

F 000F1FFF 01 ABC1238F45678935 ;Telekanal Che +7h (90.0°E)

F 00101FFF 00 D12345006789AB00 ;Domashnij Telekanal +7h (90.0°E)

F 00101FFF 01 D12345006789AB00 ;Domashnij Telekanal +7h (90.0°E)

F 00111FFF 00 2608396712043811 ;Match! (90.0°E)

F 00111FFF 01 2608396712043811 ;Match! (90.0°E)

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F 00011FFF 00 1000001012345096 ;Panyapiwat TV 1 (78.5°E)

F 00011FFF 01 1000001012345096 ;Panyapiwat TV 1 (78.5°E)

F 00021FFF 00 1111123421111134 ;Panyapiwat TV 2 (78.5°E)

F 00021FFF 01 1111123421111134 ;Panyapiwat TV 2 (78.5°E)

F 00011FFF 00 1111113311111133 ;FOX Movies Premium HD (78.5°E)

F 00011FFF 01 1111113311111133 ;FOX Movies Premium HD (78.5°E)

F 02CB1FFF 00 1111113311111133 ;Nick JR (78.5°E)

F 02CB1FFF 01 1111113311111133 ;Nick JR (78.5°E)

F 03881FFF 00 1111113311111133 ;Football Max (78.5°E)

F 03881FFF 01 1111113311111133 ;Football Max (78.5°E)

F 03891FFF 00 1111113311111133 ;GMM Club Channel (78.5°E)

F 03891FFF 01 1111113311111133 ;GMM Club Channel (78.5°E)

F 038C1FFF 00 1111113311111133 ;M HD (78.5°E)

F 038C1FFF 01 1111113311111133 ;M HD (78.5°E)

F 03921FFF 00 1111113311111133 ;Warner TV Asia (78.5°E)

F 03921FFF 01 1111113311111133 ;Warner TV Asia (78.5°E)

F 004D1FFF 00 2222226622222266 ;MRTV (78.5°E)

F 004D1FFF 01 2222226622222266 ;MRTV (78.5°E)

F 004E1FFF 00 3333339933333399 ;Channel 7 (78.5°E)

F 004E1FFF 01 3333339933333399 ;Channel 7 (78.5°E)

F 004F1FFF 00 3333339933333399 ;DVB Channel (78.5°E)

F 004F1FFF 01 3333339933333399 ;DVB Channel (78.5°E)

F 00501FFF 00 3333339933333399 ;Thai PBS (78.5°E)

F 00501FFF 01 3333339933333399 ;Thai PBS (78.5°E)

F 00511FFF 00 3333339933333399 ;NBT TV (78.5°E)

F 00511FFF 01 3333339933333399 ;NBT TV (78.5°E)

F 00521FFF 00 3333339933333399 ;TV 5 (78.5°E)

F 00521FFF 01 3333339933333399 ;TV 5 (78.5°E)

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F 000B1FFF 00 02BE5A1ABC67F81B ;BTV National (76.0°E)

F 000B1FFF 01 02BE5A1ABC67F81B ;BTV National (76.0°E)

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F 06401FFF 00 6BA1E5F174BBCAF9 ;Kanal Disney (75.0°E)

F 06401FFF 01 6BA1E5F174BBCAF9 ;Kanal Disney (75.0°E)

F 06A41FFF 00 1D30C10E235A29A6 ;MIR Service (75.0°E)

F 06A41FFF 01 1D30C10E235A29A6 ;MIR Service (75.0°E)

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F 00010200 00 DDFB421A517AAC77 ;AlmaSport (68.5°E)

F 00010200 01 DDFB421A517AAC77 ;AlmaSport (68.5°E)

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F 00031FFF 00 1111113311111133 ;IRIB TV 3 (62.0°E)

F 00031FFF 01 1111113311111133 ;IRIB TV 3 (62.0°E)

F 00CB1FFF 00 1010101010101010 ;IRIB feed (62.0°E)

F 00CB1FFF 01 1010101010101010 ;IRIB feed (62.0°E)

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F 00011FFF 00 1234569C7890ABB3 ;Armenia Public TV (60.0°E)

F 00011FFF 01 1234569C7890ABB3 ;Armenia Public TV (60.0°E)

F 00021FFF 00 1234569C7890ABB3 ;Shoghakat TV (60.0°E)

F 00021FFF 01 1234569C7890ABB3 ;Shoghakat TV (60.0°E)

F 00031FFF 00 1234569C7890ABB3 ;Armenia TV Satellite (60.0°E)

F 00031FFF 01 1234569C7890ABB3 ;Armenia TV Satellite (60.0°E)

F 00041FFF 00 1234569C7890ABB3 ;Shant TV (60.0°E)

F 00041FFF 01 1234569C7890ABB3 ;Shant TV (60.0°E)

F 00051FFF 00 1234569C7890ABB3 ;H2 (60.0°E)

F 00051FFF 01 1234569C7890ABB3 ;H2 (60.0°E)

F 00061FFF 00 1234569C7890ABB3 ;Kentron (60.0°E)

F 00061FFF 01 1234569C7890ABB3 ;Kentron (60.0°E)

F 00071FFF 00 1234569C7890ABB3 ;Yerkir Media TV (60.0°E)

F 00071FFF 01 1234569C7890ABB3 ;Yerkir Media TV (60.0°E)

F 00081FFF 00 1234569C7890ABB3 ;RTR Planeta (60.0°E)

F 00081FFF 01 1234569C7890ABB3 ;RTR Planeta (60.0°E)

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F 00011FFF 00 1111113311111133 ;Duhok TV (57.0°E)

F 00011FFF 01 1111113311111133 ;Duhok TV (57.0°E)

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F 00011FFF 00 841509A2373146AE ;Schelkovo TV (54.9°E)

F 00011FFF 01 841509A2373146AE ;Schelkovo TV (54.9°E)

F 00021FFF 00 62696E39676F7349 ;Kanal Disney +2 (54.9°E)

F 00021FFF 01 62696E39676F7349 ;Kanal Disney +2 (54.9°E)

F 00011FFF 00 62696E39676F7349 ;Lifestyle TV 1 (54.9°E)

F 00011FFF 01 62696E39676F7349 ;Lifestyle TV 1 (54.9°E)

F 00021FFF 00 62696E39676F7349 ;Lifestyle TV 2 (54.9°E)

F 00021FFF 01 62696E39676F7349 ;Lifestyle TV 2 (54.9°E)

F 00031FFF 00 62696E39676F7349 ;Lifestyle TV 3 (54.9°E)

F 00031FFF 01 62696E39676F7349 ;Lifestyle TV 3 (54.9°E)

F 00041FFF 00 62696E39676F7349 ;Lifestyle TV 4 (54.9°E)

F 00041FFF 01 62696E39676F7349 ;Lifestyle TV 4 (54.9°E)

F 00051FFF 00 62696E39676F7349 ;Lifestyle TV 5 (54.9°E)

F 00051FFF 01 62696E39676F7349 ;Lifestyle TV 5 (54.9°E)

F 00081FFF 00 ABC1238F45678935 ;Telekanal Che 0h (54.9°E)

F 00081FFF 01 ABC1238F45678935 ;Telekanal Che 0h (54.9°E)

F 00091FFF 00 C12345296789AB9B ;STS +2h (54.9°E)

F 00091FFF 01 C12345296789AB9B ;STS +2h (54.9°E)

F 000A1FFF 00 D12345396789AB9B ;Domashnij Telekanal +2h (54.9°E)

F 000A1FFF 01 D12345396789AB9B ;Domashnij Telekanal +2h (54.9°E)

F 000B1FFF 00 ABC1238F45678935 ;Telekanal Che 0h (54.9°E)

F 000B1FFF 01 ABC1238F45678935 ;Telekanal Che 0h (54.9°E)

F 000C1FFF 00 1234569C789ABCCE ;STS Love 0h (54.9°E)

F 000C1FFF 01 1234569C789ABCCE ;STS Love 0h (54.9°E)

F 000D1FFF 00 C12345296789AB9B ;STS 0h (54.9°E)

F 000D1FFF 01 C12345296789AB9B ;STS 0h (54.9°E)

F 000E1FFF 00 D12345396789AB9B ;Domashnij Telekanal 0h (54.9°E)

F 000E1FFF 01 D12345396789AB9B ;Domashnij Telekanal 0h (54.9°E)

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F 00011FFF 00 94D953C045BAE8E7 ;KurdSat HD & News HD (53.0°E)

F 00011FFF 01 94D953C045BAE8E7 ;KurdSat HD & News HD (53.0°E)

F 00021FFF 00 0327022C106251C3 ;Rossiya 1 (53.0°E)

F 00021FFF 01 0327022C106251C3 ;Rossiya 1 (53.0°E)

F 00111FFF 00 2608396712043811 ;Match! TV (53.0°E)

F 00111FFF 01 2608396712043811 ;Match! TV (53.0°E)

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F 00051FFF 00 12340000ABCD0000 ;Varzish Sport HD (52.5°E)

F 00051FFF 01 12340000ABCD0000 ;Varzish Sport HD (52.5°E)

F 02C61FFF 00 2710275E10201646 ;Echorouk TV (52.5°E)

F 02C61FFF 01 2710275E10201646 ;Echorouk TV (52.5°E)

F 02C71FFF 00 2710275E10201646 ;Echorouk News (52.5°E)

F 02C71FFF 01 2710275E10201646 ;Echorouk News (52.5°E)

F 02C81FFF 00 2710275E10201646 ;Echorouk Benna TV (52.5°E)

F 02C81FFF 01 2710275E10201646 ;Echorouk Benna TV (52.5°E)

F 02C91FFF 00 2710275E10201646 ;Beur TV (52.5°E)

F 02C91FFF 01 2710275E10201646 ;Beur TV (52.5°E)

F 06141FFF 00 786AF4D632ABC5A2 ;Tolo TV HD (52.5°E)

F 06141FFF 01 786AF4D632ABC5A2 ;Tolo TV HD (52.5°E)

F 06151FFF 00 312DBA18741F55E8 ;Lemar TV HD (52.5°E)

F 06151FFF 01 312DBA18741F55E8 ;Lemar TV HD (52.5°E)

F 064C1FFF 00 ABABAB011234569C ;Maiwand TV (52.5°E)

F 064C1FFF 01 ABABAB011234569C ;Maiwand TV (52.5°E)

F 064E1FFF 00 ABABAB011234569C ;Tamadon TV (52.5°E)

F 064E1FFF 01 ABABAB011234569C ;Tamadon TV (52.5°E)

F 06591FFF 00 ABCDEF671234569C ;Rah-e-Farda TV (52.5°E)

F 06591FFF 01 ABCDEF671234569C ;Rah-e-Farda TV (52.5°E)

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F 00011FFF 00 F2A1089B16AFC186 ;Kwese Sports (51.5°E)

F 00011FFF 01 F2A1089B16AFC186 ;Kwese Sports (51.5°E)

F 00011FFF 00 F8D108D117ABC88A ;KWS STREAM (51.5°E)

F 00011FFF 01 F8D108D117ABC88A ;KWS STREAM (51.5°E)

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F 00011FFF 00 0327022C106251C3 ;Russian Channels (49.0°E)

F 00011FFF 01 0327022C106251C3 ;Russian Channels (49.0°E)

F 00021FFF 00 0327022C106251C3 ;Telekanal Rossiya Tyumen (49.0°E)

F 00021FFF 00 0327022C106251C3 ;Telekanal Rossiya Tyumen (49.0°E)

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F 00010025 00 0020050000195600 ;1TV Georgia (46.0°E)

F 00010025 01 0020050000195600 ;1TV Georgia (46.0°E)

F 00011BB2 00 1234560065432100 ;Az TV 1 (46.0°E)

F 00011BB2 01 1234560065432100 ;Az TV 1 (46.0°E)

F 00041F9A 00 1212121212121212 ;Ictimai TV (46.0°E)

F 00041F9A 01 1212121212121212 ;Ictimai TV (46.0°E)

F 00051FFF 00 DBA545C5FDE36245 ;Rustavi 2 (46.0°E)

F 00051FFF 01 DBA545C5FDE36245 ;Rustavi 2 (46.0°E)

F 000B17CA 00 3453450034534500 ;Idman TV (46.0°E)

F 000B17CA 01 3453450034534500 ;Idman TV (46.0°E)

F 08011FFF 00 1313131313131313 ;CBC Sport HD (46.0°E)

F 08011FFF 01 1313131313131313 ;CBC Sport HD (46.0°E)

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F 00011FFF 00 1000001000000000 ;TRT 1 (42.0°E)

F 00011FFF 01 1000001000000000 ;TRT 1 (42.0°E)

F 00051FFF 00 1000001000000000 ;TRT Haber (42.0°E)

F 00051FFF 01 1000001000000000 ;TRT Haber (42.0°E)

F 00071FFF 00 DBA545C5FDE36245 ;Rustavi 2 (42.0°E)

F 00071FFF 01 DBA545C5FDE36245 ;Rustavi 2 (42.0°E)

F 00151FFF 00 1200001212201547 ;TRT Mьzik (42E)

F 00151FFF 01 1200001212201547 ;TRT Mьzik (42E)

F 00161FFF 00 1200001212201547 ;TRT Зocuk (42E)

F 00161FFF 01 1200001212201547 ;TRT Зocuk (42E)

F 00171FFF 00 1200001212201547 ;TRT Arapзa (42E)

F 00171FFF 01 1200001212201547 ;TRT Arapзa (42E)

F 00181FFF 00 1200001212201547 ;TRT Зocuk HD (42E)

F 00181FFF 01 1200001212201547 ;TRT Зocuk HD (42E)

F 00191FFF 00 1200001212201547 ;TRT HD (42E)

F 00191FFF 01 1200001212201547 ;TRT HD (42E)

F 001A1FFF 00 1200001212201547 ;TRT World HD (42E)

F 001A1FFF 01 1200001212201547 ;TRT World HD (42E)

F 001B1FFF 00 1200001212201547 ;TRT Зocuk HD (42E)

F 001B1FFF 01 1200001212201547 ;TRT Зocuk HD (42E)

F 001C1FFF 00 1200001212201547 ;TRT Spor HD (42E)

F 001C1FFF 01 1200001212201547 ;TRT Spor HD (42E)

F 00191FFF 00 1000001000000000 ;TRT Spor (42.0°E)

F 00191FFF 01 1000001000000000 ;TRT Spor (42.0°E)

F 001C1FFF 00 1000001000000000 ;TRT 3-Spor (42.0°E)

F 001C1FFF 01 1000001000000000 ;TRT 3-Spor (42.0°E)

F 00641FFF 00 610666CD60000060 ;SNG-B Feed (42.0°E)

F 00641FFF 01 610666CD60000060 ;SNG-B Feed (42.0°E)

F 05531FFF 00 B053242705808308 ;DHA Feed (42.0°E)

F 05531FFF 01 B053242705808308 ;DHA Feed (42.0°E)

F 283E1FFF 00 1000001000000000 ;A Spor (42.0°E)

F 283E1FFF 01 1000001000000000 ;A Spor (42.0°E)

F 28411FFF 00 1000001000000000 ;ATV HD (42.0°E)

F 28411FFF 01 1000001000000000 ;ATV HD (42.0°E)

F 28431FFF 00 1000001000000000 ;A Spor HD (42.0°E)

F 28431FFF 01 1000001000000000 ;A Spor HD (42.0°E)

F 29041FFF 00 1000001000000000 ;TRT 1 (42.0°E)

F 29041FFF 01 1000001000000000 ;TRT 1 (42.0°E)

F 29051FFF 00 1000001000000000 ;TRT Haber (42.0°E)

F 29051FFF 01 1000001000000000 ;TRT Haber (42.0°E)

F 29071FFF 00 1000001000000000 ;TRT 3-Spor (42.0°E)

F 29071FFF 01 1000001000000000 ;TRT 3-Spor (42.0°E)

F 29681FFF 00 1000001000000000 ;TRT HD (42.0°E)

F 29681FFF 01 1000001000000000 ;TRT HD (42.0°E)

F 29691FFF 00 1000001000000000 ;TRT 1 HD (42.0°E)

F 29691FFF 01 1000001000000000 ;TRT 1 HD (42.0°E)

F 296A1FFF 00 1000001000000000 ;TRT Haber HD (42.0°E)

F 296A1FFF 01 1000001000000000 ;TRT Haber HD (42.0°E)

F 296B1FFF 00 1000001000000000 ;TRT Spor HD (42.0°E)

F 296B1FFF 01 1000001000000000 ;TRT Spor HD (42.0°E)

F 2A301FFF 00 1000001000000000 ;Star TV (42.0°E)

F 2A301FFF 01 1000001000000000 ;Star TV (42.0°E)

F 2A321FFF 00 A02123E43546148F ;NTV Spor (42.0°E)

F 2A321FFF 01 A02123E43546148F ;NTV Spor (42.0°E)

F 2AF81FFF 00 1000001000000000 ;Show TV HD (42.0°E)

F 2AF81FFF 01 1000001000000000 ;Show TV HD (42.0°E)

F 2AF91FFF 00 1000001000000000 ;Haberturk HD (42.0°E)

F 2AF91FFF 01 1000001000000000 ;Haberturk HD (42.0°E)

F 2B5C1FFF 00 1000001000000000 ;Show TV (42.0°E)

F 2B5C1FFF 01 1000001000000000 ;Show TV (42.0°E)

F 2BC01FFF 00 1000001000000000 ;Haberturk (42.0°E)

F 2BC01FFF 01 1000001000000000 ;Haberturk (42.0°E)

F 2BC11FFF 00 1000001000000000 ;Bloomberg HT (42.0°E)

F 2BC11FFF 01 1000001000000000 ;Bloomberg HT (42.0°E)

F 32641FFF 00 1000001000000000 ;TV8 (42.0°E)

F 32641FFF 01 1000001000000000 ;TV8 (42.0°E)

F 39D11FFF 00 1000001000000000 ;Tivibu Spor HD (42.0°E)

F 39D11FFF 01 1000001000000000 ;Tivibu Spor HD (42.0°E)

F 39D81FFF 00 1000001000000000 ;Tivibu Spor HD (42.0°E)

F 39D81FFF 01 1000001000000000 ;Tivibu Spor HD (42.0°E)

F 3E811FFF 00 1000001000000000 ;Tivibu Spor SD (42.0°E)

F 3E811FFF 01 1000001000000000 ;Tivibu Spor SD (42.0°E)

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F 00011FFF 00 0327022C106251C3 ;Russian Channels (40.0°E)

F 00011FFF 01 0327022C106251C3 ;Russian Channels (40.0°E)

F 00641FFF 00 0327022C106251C3 ;GTRK Nizhny Novgorod (40.0°E)

F 00641FFF 01 0327022C106251C3 ;GTRK Nizhny Novgorod (40.0°E)

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F 00011FFF 00 D2ED992B6E7F250B ;MTV Sports (39.0°E)

F 00011FFF 01 D2ED992B6E7F250B ;MTV Sports (39.0°E)

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F 00011FFF 00 BEFA27DF0117BCD4 ;A-Plus Europe (38.0°E)

F 00011FFF 01 BEFA27DF0117BCD4 ;A-Plus Europe (38.0°E)

F 00011FFF 00 D29965D056F4A1EB ;Dunya TV International (38.0°E)

F 00011FFF 01 D29965D056F4A1EB ;Dunya TV International (38.0°E)

F 000B1FFF 00 308410C476BEC9FD ;Geo Middle East (38.0°E)

F 000B1FFF 01 308410C476BEC9FD ;Geo Middle East (38.0°E)

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F 00011FFF 00 1111113311111133 ;Imedi TV (36.0°E)

F 00011FFF 01 1111113311111133 ;Imedi TV (36.0°E)

F 00021FFF 00 2222226622222266 ;GDS TV (36.0°E)

F 00021FFF 01 2222226622222266 ;GDS TV (36.0°E)

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F 1C341FFF 00 1111113311111133 ;VTV Belarus (31.5°E)

F 1C341FFF 01 1111113311111133 ;VTV Belarus (31.5°E)

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F 00011FFF 00 2820145C2820145C ;Ertu TV (30.5°E)

F 00011FFF 01 2820145C2820145C ;Ertu TV (30.5°E)

F 00641FFF 00 EFAC25C01116BCE3 ;Eriteria TV2 (30.5°E)

F 00641FFF 01 EFAC25C01116BCE3 ;Eriteria TV2 (30.5°E)

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F 00011FFF 00 3F94DCAF1C0DE009 ;Al Mayadeen TV (26.0°E)

F 00011FFF 01 3F94DCAF1C0DE009 ;Al Mayadeen TV (26.0°E)

F 00021FFF 00 1111224422333388 ;El Mouritania 2 (26.0°E)

F 00021FFF 01 1111224422333388 ;El Mouritania 2 (26.0°E)

F 00040321 00 000001011111ABCD ;Al Rayyan HD Europe (26.0°E)

F 00040321 01 000001011111ABCD ;Al Rayyan HD Europe (26.0°E)

F 000B1FFF 00 12AB34F1CD56EF12 ;MBC Masr 2 (26.0°E)

F 000B1FFF 01 12AB34F1CD56EF12 ;MBC Masr 2 (26.0°E)

F 000D1FFF 00 12AB34F1CD56EF12 ;MBC Masr (26.0°E)

F 000D1FFF 01 12AB34F1CD56EF12 ;MBC Masr (26.0°E)

F 00391FFF 00 12AB34F1CD56EF12 ;MBC Masr (26.0°E)

F 00391FFF 01 12AB34F1CD56EF12 ;MBC Masr (26.0°E)

F 003A1FFF 00 12AB34F1CD56EF12 ;MBC Masr2 (26.0°E)

F 003A1FFF 01 12AB34F1CD56EF12 ;MBC Masr2 (26.0°E)

F 003B1FFF 00 12AB34F1CD56EF12 ;MBC 2 (26.0°E)

F 003B1FFF 01 12AB34F1CD56EF12 ;MBC 2 (26.0°E)

F 005A1FFF 00 1111113311111133 ;OMAN TV Test HD (26.0°E)

F 005A1FFF 01 1111113311111133 ;OMAN TV Test HD (26.0°E)

F 00671FFF 00 1111113311111133 ;IRIB TV3 (26.0°E)

F 00671FFF 01 1111113311111133 ;IRIB TV3 (26.0°E)

F 00751FFF 00 1111113311111133 ;IRIB Varzesh (26.0°E)

F 00751FFF 01 1111113311111133 ;IRIB Varzesh (26.0°E)

F 01A11FFF 00 1111113311111133 ;IRIB Varzesh (26.0°E)

F 01A11FFF 01 1111113311111133 ;IRIB Varzesh (26.0°E)

F 15E31FFF 00 1010103010101030 ;Al Riyadiah Earth (26.0°E)

F 15E31FFF 01 1010103010101030 ;Al Riyadiah Earth (26.0°E)

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F 00011FFF 00 DEAB19A20816BCDA ;Riyadh MCR (21.6°E)

F 00011FFF 01 DEAB19A20816BCDA ;Riyadh MCR (21.6°E)

F 00011FFF 00 12AB34F1CD56EF12 ;MBC Hotbird (21.6°E)

F 00011FFF 01 12AB34F1CD56EF12 ;MBC Hotbird (21.6°E)

F 00011FFF 00 FBCE06CF1017BCE3 ;MBC Feed (21.6°E)

F 00011FFF 01 FBCE06CF1017BCE3 ;MBC Feed (21.6°E)

F 00011FFF 00 FBDE24FD0715BCD8 ;MBC Masr (21.6°E)

F 00011FFF 01 FBDE24FD0715BCD8 ;MBC Masr (21.6°E)

F 00011FFF 00 A9E746D68358E5C0 ;Topaz 1 (21.6°E)

F 00011FFF 01 A9E746D68358E5C0 ;Topaz 1 (21.6°E)

F 00021FFF 00 85187C1938949B67 ;Al Sahat TV (21.6°E)

F 00021FFF 01 85187C1938949B67 ;Al Sahat TV (21.6°E)

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F 00011FFF 00 124578CF875421FC ;SIC International (16.0°E)

F 00011FFF 01 124578CF875421FC ;SIC International (16.0°E)

F 00011FFF 00 C48DAF008FDA9700 ;Kanal D Romania (16.0°E)

F 00011FFF 01 C48DAF008FDA9700 ;Kanal D Romania (16.0°E)

F 00011FFF 00 1B5C69E0AA08E99B ;Snai Live (16.0°E)

F 00011FFF 01 1B5C69E0AA08E99B ;Snai Live (16.0°E)

F 00021FFF 00 1B5C69E0AA08E99B ;Snai Live 2 (16.0°E)

F 00021FFF 01 1B5C69E0AA08E99B ;Snai Live 2 (16.0°E)

F 00071FFF 00 1111113311111133 ;RTRS (16.0°E)

F 00071FFF 01 1111113311111133 ;RTRS (16.0°E)

F 000A1FFF 00 458825F27453682F ;National TV (16.0°E)

F 000A1FFF 01 458825F27453682F ;National TV (16.0°E)

F 00161FFF 00 CDEF12CE5678905E ;N24 Plus (16.0°E)

F 00161FFF 01 CDEF12CE5678905E ;N24 Plus (16.0°E)

F 00C81FFF 00 9D7896AB39F2B2DD ;SRTV Feed (16.0°E)

F 00C81FFF 01 9D7896AB39F2B2DD ;SRTV Feed (16.0°E)

F 03FA1FFF 00 9643CCA587DA3394 ;NHL Feed (16.0°E)

F 03FA1FFF 01 9643CCA587DA3394 ;NHL Feed (16.0°E)

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F 00011FFF 00 0204757B6840751D ;ORTC (10.0°E)

F 00011FFF 01 0204757B6840751D ;ORTC (10.0°E)

F 00011FFF 00 205976EF823DB574 ;MU TV (10.0°E)

F 00011FFF 01 205976EF823DB574 ;MU TV (10.0°E)

F 00011FFF 00 6C37BA5D492D7EF4 ;Jeem SD (10.0°E)

F 00011FFF 01 6C37BA5D492D7EF4 ;Jeem SD (10.0°E)

F 00021FFF 00 6C37BA5D492D7EF4 ;Baraem (10.0°E)

F 00021FFF 01 6C37BA5D492D7EF4 ;Baraem (10.0°E)

F 00031FFF 00 6C37BA5D492D7EF4 ;Jeem HD (10.0°E)

F 00031FFF 01 6C37BA5D492D7EF4 ;Jeem HD (10.0°E)

F 00031FFF 00 159ACD7CEBF614F5 ;MGM Middle East (10.0°E)

F 00031FFF 01 159ACD7CEBF614F5 ;MGM Middle East (10.0°E)

F 00011FFF 00 AAAAAAFEAAAAABFF ;RTNC (10.0°E)

F 00011FFF 01 AAAAAAFEAAAAABFF ;RTNC (10.0°E)

F 00021FFF 00 AAAAAAFEAAAAABFF ;RTNC 3 (10.0°E)

F 00021FFF 01 AAAAAAFEAAAAABFF ;RTNC 3 (10.0°E)

F 00051FFF 00 AAAAAAFEAAAAABFF ;Tйlй 50 (10.0°E)

F 00051FFF 01 AAAAAAFEAAAAABFF ;Tйlй 50 (10.0°E)

F 00061FFF 00 AAAAAAFEAAAAABFF ;Digital Congo TV (10.0°E)

F 00061FFF 01 AAAAAAFEAAAAABFF ;Digital Congo TV (10.0°E)

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F 002D1FFF 00 C0379C93E08FBB2A ;Monitor Games (9.0°E)

F 002D1FFF 01 C0379C93E08FBB2A ;Monitor Games (9.0°E)

F 02721FFF 00 E876F04E8BA51141 ;EFB1 (9.0°E)

F 02721FFF 01 E876F04E8BA51141 ;EFB1 (9.0°E)

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F 00011FFF 00 3829B213A87C8BAF ;Fox Sports Europe HD (7.0°E)

F 00011FFF 01 3829B213A87C8BAF ;Fox Sports Europe HD (7.0°E)

F 000C1FFF 00 1234569C7890121A ;RTVGE (7.0°E)

F 000C1FFF 01 1234569C7890121A ;RTVGE (7.0°E)

F 00111FFF 00 B7C3A41EF6D2A169 ;Al Baghdadia (7.0°E)

F 00111FFF 01 B7C3A41EF6D2A169 ;Al Baghdadia (7.0°E)

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F 17DE1FFF 00 19090628117660E7 ;TET (4.8°E)

F 17DE1FFF 01 19090628117660E7 ;TET (4.8°E)

F 17E81FFF 00 090219246323068C ;2+2 (4.8°E)

F 17E81FFF 01 090219246323068C ;2+2 (4.8°E)

F 17ED1FFF 00 1A2B3C814D5E6F1A ;1+1 International (4.8°E)

F 17ED1FFF 01 1A2B3C814D5E6F1A ;1+1 International (4.8°E)

F 19AF1FFF 00 A5EB22B2576F5016 ;UKRAINA-SD (4.8°E)

F 19AF1FFF 01 A5EB22B2576F5016 ;UKRAINA-SD (4.8°E)

F 19D21FFF 00 A5EB22B2576F5016 ;UKRAINA-SD (4.8°E)

F 19D21FFF 01 A5EB22B2576F5016 ;UKRAINA-SD (4.8°E)

F 1A0E1FFF 00 A5EB22B2576F25EB ;Channel 34 (4.8°E)

F 1A0E1FFF 01 A5EB22B2576F25EB ;Channel 34 (4.8°E)

F 1A131FFF 00 1122336633221166 ;XSport (4.8°E)

F 1A131FFF 01 1122336633221166 ;XSport (4.8°E)

F 1A181FFF 00 A5EB22B2576F25EB ;NLO TV (4.8°E)

F 1A181FFF 01 A5EB22B2576F25EB ;NLO TV (4.8°E)

F 1A221FFF 00 A5EB22B2576F25EB ;Indigo TV (4.8°E)

F 1A221FFF 01 A5EB22B2576F25EB ;Indigo TV (4.8°E)

F 1B031FFF 00 11223366445566FF ;Nadiya (4.8°E)

F 1B031FFF 01 11223366445566FF ;Nadiya (4.8°E)

F 1E261FFF 00 1234569C789C3347 ;Bolt (4.8°E)

F 1E261FFF 01 1234569C789C3347 ;Bolt (4.8°E)

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F 00011FFF 00 0000232301151127 ;iFilm English (3.0°E)

F 00011FFF 01 0000232301151127 ;iFilm English (3.0°E)

F 00011FFF 00 ABCDEF671234569C ;Music Now (3.0°E)

F 00011FFF 01 ABCDEF671234569C ;Music Now (3.0°E)

F 00021FFF 00 ABCDEF671234569C ;Fann (3.0°E)

F 00021FFF 01 ABCDEF671234569C ;Fann (3.0°E)

F 00031FFF 00 ABCDEF671234569C ;Mkls Feed (3.0°E)

F 00031FFF 01 ABCDEF671234569C ;Mkls Feed (3.0°E)

F 000C1FFF 00 0000232301151127 ;Hispan TV (3.0°E)

F 000C1FFF 01 0000232301151127 ;Hispan TV (3.0°E)

F 000A1FFF 00 A1B2C316D4E5F8B1 ;ERT 1 (3.0°E)

F 000A1FFF 01 A1B2C316D4E5F8B1 ;ERT 1 (3.0°E)

F 00141FFF 00 A1B2C316D4E5F8B1 ;ERT 2 (3.0°E)

F 00141FFF 01 A1B2C316D4E5F8B1 ;ERT 2 (3.0°E)

F 00281FFF 00 A1B2C316D4E5F8B1 ;ERT HD (3.0°E)

F 00281FFF 01 A1B2C316D4E5F8B1 ;ERT HD (3.0°E)

F 00641FFF 00 DD5AACE3B667708D ;Alpha TV Greece (3.0°E)

F 00641FFF 01 DD5AACE3B667708D ;Alpha TV Greece (3.0°E)

F 00651FFF 00 201302352EAD01DC ;2M National (3.0°E)

F 00651FFF 01 201302352EAD01DC ;2M National (3.0°E)

F 00671FFF 00 201302352EAD03DE ;2M MENA (3.0°E)

F 00671FFF 01 201302352EAD03DE ;2M MENA (3.0°E)

F 00CC1FFF 00 0000232301151127 ;Sahar University Network 1 (3.0°E)

F 00CC1FFF 01 0000232301151127 ;Sahar University Network 1 (3.0°E)

F 00CE1FFF 00 0000232301151127 ;Al Kawthar (3.0°E)

F 00CE1FFF 01 0000232301151127 ;Al Kawthar (3.0°E)

F 00C81FFF 00 1111113311111133 ;Alpha TV (3.0°E)

F 00C81FFF 01 1111113311111133 ;Alpha TV (3.0°E)

F 012C1FFF 00 1111113311111133 ;ANT 1 (3.0°E)

F 012C1FFF 01 1111113311111133 ;ANT 1 (3.0°E)

F 015E1FFF 00 1111113311111133 ;ART TV (3.0°E)

F 015E1FFF 01 1111113311111133 ;ART TV (3.0°E)

F 01901FFF 00 1111113311111133 ;Macedonia TV (3.0°E)

F 01901FFF 01 1111113311111133 ;Macedonia TV (3.0°E)

F 01F41FFF 00 1111113311111133 ;Mega TV (3.0°E)

F 01F41FFF 01 1111113311111133 ;Mega TV (3.0°E)

F 02581FFF 00 1111113311111133 ;Skai (3.0°E)

F 02581FFF 01 1111113311111133 ;Skai (3.0°E)

F 02BC1FFF 00 1111113311111133 ;Star Channel (3.0°E)

F 02BC1FFF 01 1111113311111133 ;Star Channel (3.0°E)

F 03201FFF 00 1111113311111133 ;E TV (3.0°E)

F 03201FFF 01 1111113311111133 ;E TV (3.0°E)

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F 00011FFF 00 999999CB999999CB ;12 Kanal HD (4.0°W)

F 00011FFF 01 999999CB999999CB ;12 Kanal HD (4.0°W)

F 00021FFF 00 3333339933333399 ;RAI Ukraine (4.0°W)

F 00021FFF 01 3333339933333399 ;RAI Ukraine (4.0°W)

F 00031FFF 00 8888889888888898 ;Vidikon (4.0°W)

F 00031FFF 01 8888889888888898 ;Vidikon (4.0°W)

F 00041FFF 00 444444CC444444CC ;TV7+ (4.0°W)

F 00041FFF 01 444444CC444444CC ;TV7+ (4.0°W)

F 00051FFF 00 555555FF555555FF ;Most Video (4.0°W)

F 00051FFF 01 555555FF555555FF ;Most Video (4.0°W)

F 00061FFF 00 6666663266666632 ;Avers (4.0°W)

F 00061FFF 01 6666663266666632 ;Avers (4.0°W)

F 00081FFF 00 7777776577777765 ;Pravda Tut (4.0°W)

F 00081FFF 01 7777776577777765 ;Pravda Tut (4.0°W)

F 00051FFF 00 123ABC08123ABC08 ;EuroNews (4.0°W)

F 00051FFF 01 123ABC08123ABC08 ;EuroNews (4.0°W)

F 000A1FFF 00 1010103010101030 ;Rivne 1 (4.0°W)

F 000A1FFF 01 1010103010101030 ;Rivne 1 (4.0°W)

F 000B1FFF 00 1111113311111133 ;1+1 (4.0°W)

F 000B1FFF 01 1111113311111133 ;1+1 (4.0°W)

F 000C1FFF 00 1313133913131339 ;Misto (4.0°W)

F 000C1FFF 01 1313133913131339 ;Misto (4.0°W)

F 000D1FFF 00 1006102611071129 ;Pershiy Nacionalniy (4.0°W)

F 000D1FFF 01 1006102611071129 ;Pershiy Nacionalniy (4.0°W)

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F 00011FFF 00 A2B5C118D5E625E0 ;Milan Channel 1 (5.0°W)

F 00011FFF 01 A2B5C118D5E625E0 ;Milan Channel 1 (5.0°W)

F 00011FFF 00 2604ABD5CD197056 ;LA Presse (5.0°W)

F 00011FFF 01 2604ABD5CD197056 ;LA Presse (5.0°W)

F 025B1FFF 00 1100000000000000 ;Canal Feed (5.0°W)

F 025B1FFF 01 1100000000000000 ;Canal Feed (5.0°W)

F 025C1FFF 00 1100112200110011 ;EN TV (5.0°W)

F 025C1FFF 01 1100112200110011 ;EN TV (5.0°W)

F 00FB1FFF 00 6A6D2900C006571D ;AFP Afrique (5.0°W)

F 00FB1FFF 01 6A6D2900C006571D ;AFP Afrique (5.0°W)

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F 00011FFF 00 1100000000000000 ;ENTV (7W)

F 00011FFF 01 1100000000000000 ;ENTV (7W)

F 00061FFF 00 0123456967891202 ;Tunisia National 1 (7W)

F 00061FFF 01 0123456967891202 ;Tunisia National 1 (7W)

F 00091FFF 00 12AB34F1CD56EF12 ;Al Arabiya (7.0°W)

F 00091FFF 01 12AB34F1CD56EF12 ;Al Arabiya (7.0°W)

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F 03851FFF 00 0B145D7C8095F106 ;ESPN Caribbean 901 (15.0°W)

F 03851FFF 01 0B145D7C8095F106 ;ESPN Caribbean 901 (15.0°W)

F 03861FFF 00 14841CB483F03CAF ;ESPN Syndication 902 (15.0°W)

F 03861FFF 01 14841CB483F03CAF ;ESPN Syndication 902 (15.0°W)

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F 00031FFF 00 1100000000000000 ;Canal Feed (22.0°W)

F 00031FFF 01 1100000000000000 ;Canal Feed (22.0°W)

F 00041FFF 00 1100112200110011 ;ENTV (22.0°W)

F 00041FFF 01 1100112200110011 ;ENTV (22.0°W)

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F 10441FFF 00 D581F94F24112D62 ;BBC One England (27.5°W)

F 10441FFF 01 D581F94F24112D62 ;BBC One England (27.5°W)

F 107C1FFF 00 D581F94F24112D62 ;BBC One Scotland (27.5°W)

F 107C1FFF 01 D581F94F24112D62 ;BBC One Scotland (27.5°W)

F 107D1FFF 00 D581F94F24112D62 ;BBC One Northern Ireland (27.5°W)

F 107D1FFF 01 D581F94F24112D62 ;BBC One Northern Ireland (27.5°W)

F 107E1FFF 00 D581F94F24112D62 ;BBC One Wales (27.5°W)

F 107E1FFF 01 D581F94F24112D62 ;BBC One Wales (27.5°W)

F 10BF1FFF 00 D581F94F24112D62 ;BBC Two England (27.5°W)

F 10BF1FFF 01 D581F94F24112D62 ;BBC Two England (27.5°W)

F 10C01FFF 00 D581F94F24112D62 ;BBC Three (27.5°W)

F 10C01FFF 01 D581F94F24112D62 ;BBC Three (27.5°W)

F 11001FFF 00 D581F94F24112D62 ;BBC News (27.5°W)

F 11001FFF 01 D581F94F24112D62 ;BBC News (27.5°W)

F 11C01FFF 00 D581F94F24112D62 ;BBC Four (27.5°W)

F 11C01FFF 01 D581F94F24112D62 ;BBC Four (27.5°W)

F 12001FFF 00 D581F94F24112D62 ;CBBC (27.5°W)

F 12001FFF 01 D581F94F24112D62 ;CBBC (27.5°W)

F 12401FFF 00 D581F94F24112D62 ;CBeebies UK (27.5°W)

F 12401FFF 01 D581F94F24112D62 ;CBeebies UK (27.5°W)

F 12801FFF 00 D581F94F24112D62 ;BBC Parliament (27.5°W)

F 12801FFF 01 D581F94F24112D62 ;BBC Parliament (27.5°W)

F 1C001FFF 00 D581F94F24112D62 ;301 (27.5°W)

F 1C001FFF 01 D581F94F24112D62 ;301 (27.5°W)

F 44401FFF 00 D581F94F24112D62 ;BBC Two HD (27.5°W)

F 44401FFF 01 D581F94F24112D62 ;BBC Two HD (27.5°W)

F 44841FFF 00 D581F94F24112D62 ;BBC One HD (27.5°W)

F 44841FFF 01 D581F94F24112D62 ;BBC One HD (27.5°W)

F 44C81FFF 00 D581F94F24112D62 ;ITV 1 HD (27.5°W)

F 44C81FFF 01 D581F94F24112D62 ;ITV 1 HD (27.5°W)

F 45001FFF 00 D581F94F24112D62 ;Channel 4 HD (27.5°W)

F 45001FFF 01 D581F94F24112D62 ;Channel 4 HD (27.5°W)

F 46001FFF 00 D581F94F24112D62 ;CBBC HD (27.5°W)

F 46001FFF 01 D581F94F24112D62 ;CBBC HD (27.5°W)

F 46C01FFF 00 D581F94F24112D62 ;BBC Three HD (27.5°W)

F 46C01FFF 01 D581F94F24112D62 ;BBC Three HD (27.5°W)

F 4F801FFF 00 D581F94F24112D62 ;Film 4+1 UK (27.5°W)

F 4F801FFF 01 D581F94F24112D62 ;Film 4+1 UK (27.5°W)

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F 00031FFF 00 6F5E4D1A3C2B1A81 ;RTP 3 (30.0°W)

F 00031FFF 01 6F5E4D1A3C2B1A81 ;RTP 3 (30.0°W)

F 01F41FFF 00 12481670326412A8 ;TVI Internacional (30.0°W)

F 01F41FFF 01 12481670326412A8 ;TVI Internacional (30.0°W)

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F 00011FFF 00 135EAC1D22FF3B5C ;Man United TV (37.5°W)

F 00011FFF 01 135EAC1D22FF3B5C ;Man United TV (37.5°W)

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# CONSTANT DW KEYS #

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F 3EE61966 00 8D9E56814E22A313 ;FightBox HD (42.0°E)

F 3EE61966 01 8D9E56814E22A313 ;FightBox HD (42.0°E)

F 3EEA196A 00 D6781A6801C705CD ;Da Vinci Learning HD (42.0°E)

F 3EEA196A 01 D6781A6801C705CD ;Da Vinci Learning HD (42.0°E)