

#### POLIZA DE GARANTIA

PRODUCTO: CONTROL REMOTO UNIVERSAL

MARCA: MASTER VISION MODELO: RM-FAMILY

DISTRIBUIDORA DE COMPONENTES AUDIO Y VIDEO S. A. DE C.V. Agradece a usted la compra de este producto, el cual goza de una garantía de 1 AÑO contra cualquier defecto de fabrica, la cual ampara todas las piezas y componentes del producto, así como también la mano de obra y gastos de transportación, sin ningún cargo para el consumidor, contados a partir de su fecha de compra como material nuevo.

Para hacer efectiva la garantía deberá presentar el producto y póliza de garantía sellada en el lugar donde lo adquirió y/o en nuestro centro de servicio de DISTRIBUIDORA DE COMPONENTES AUDIO Y VIDEO, S.A. DE C.V., ubicado en: Av. Pirules No. 134-D Int. 14 Col. Industrial San Martín Obispo CP 54769 Cuautitlan Izcalli, Estado de México o comuniques a los TEL/FAX: 5887 8036 o al TEL: 5887 1250, en donde también usted podrá encontrar partes, componentes, consumibles y accesorios.

DISTRIBUIDORA DE COMPONENTES AUDIO Y VIDEO, S.A. DE C.V., se compromete a reparar el producto defectuoso o cambiarlo por uno nuevo ó similar (en el caso de que se haya descontinuado), cuando no sea posible la reparación, a consecuencia de un defecto de fabricación previo diagnóstico realizado por nuestro centro de servicio, sin ningún cargo para el consumidor. El tiempo de reparación no será mayor de 30 (treinta) días naturales contados a partir de la fecha de recepción del producto en nuestro centro de servicio.

Esta garantía no tendrá validez en los siguientes casos:

- Cuando el producto hubiese sido utilizado en condiciones distintas a las normales.
- Cuando el producto no hubiese sido operado de acuerdo con el instructivo de uso que le acompaña.
- Cuando el producto hubiese sido alterado o reparado por personas no autorizadas por DISTRIBUIDORA DE COMPONENTES AUDIO Y VIDEO S. A. DE C.V.

NOMBRE DEL CONSUMIDOR: _	
DIRECCION Y TELEFONO:	
FECHA DE COMPRA:	
TECHA DE COMPRA,	

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IMPORTADOR:

DISTRIBUIDORA DE COMPONENTES AUDIO Y VIDEO, S.A. DE C.V.

Av. Pirules No. 134-D Int. 14 Col. Industrial San Martín Obispo

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RFC: DCA 990701 RB3



PRODUCTO: CONTROL REMOTO UNIVERSAL

MARCA: MASTER VISION MODELO: RM-FAMILY CONTENIDO: 1 PIEZA

POR FAVOR LEA ESTE INSTRUCTIVO ANTES DE USAR SU NUEVO CONTROL REMOTO UNIVERSAL. RECOMENDAMOS AMPLIAMENTE GUARDE EMPAQUES, INSTRUCTIVO Y ACCESORIOS PARA FUTURAS RECLAMACIONES

Gracias por adquirir productos MASTER VISION para obtener óptimos resultados de su nuevo control remoto universal le recomendamos seguir las instrucciones para su uso correcto.

### Programación por Código:

Utilizando la lista de códigos anexa a este manual, localice el código de 3 dígitos que corresponda a la marca del equipo a controlar y siga los siguientes pasos:

- 1. Elija el botón del dispositivo a controlar (por ejemplo: TV / AUX / SAT / CBL / PVR).
- 2. Manteniendo presionada la tecla "P" (PROGRAMAR), presione la tecla que corresponda al equipo a programar (TV/AUX/SAT/CBL/PVR) por 3 segundos. Se encenderá el Led, indicando que esta en modo de programación.
- 4. Teclee el código de tres dígitos correspondiente, no excediendo de 10 segundos. El Led parpadeara por cada dígito ingresado. Si excede del tiempo de 10 segundos, el control saldrá automáticamente del modo de programación y tendrá que realizar nuevamente desde el paso
- 5. Si el código ingresado es correcto el Led se apagara. Si el Led parpadea 2 veces el código es incorrecto, confirme el código a utilizar y repita nuevamente los pasos.
- 6. Verifique las funciones del control remoto. Si la mayoría de las teclas no funcionan correctamente, pruebe con otro código contenido en la lista que corresponda a la misma marca del equipo a programar. Repita los pasos 3 a 6 hasta que todas las funciones básicas operen correctamente.

Nota: En caso de haber programado más de un dispositivo en el control remoto, primeramente elija el equipo a controlar con las teclas (TV/AUX/SAT/CBL/PVR), para que el control remoto opere correctamente con el dispositivo apropiado.

## Programación por Búsqueda Automática:

Si la programación por códigos no responde, o usted no puede encontrar la marca del dispositivo a controlar en la lista, usted puede usar "Búsqueda Automática" para encontrar el código correcto para su control remoto.

- 1. Encienda el dispositivo a controlar de forma manual. Si el dispositivo a controlar es una videograbadora, inserte un casete de video.
- 2. Dirija el control remoto al dispositivo a controlar. Presione la tecla P (programacion) y posteriormente la tecla que corresponda al dispositivo (TV, DVD, ETC,) el led se encendera
- 3. En ese momento libere las teclas, ahora para empezar su busqueda automatica de su dispositivo, dirija su control remoto hacia el dispositivo y debe de presionar la tecla de "ENCENDIDO" varias veces (presione, suelte, presione, suelte) en forma repititiva.
- 4. Cuando observe que su dispositivo a programar se apaque debe de presionar de inmediato la tecla que corresponda al dispositivo a programar para guardar el código, en ese momento se apagara el led.
- 5. Espere 5 segundos y verifique que encienda y apaque. listo.



# Programación Macro Tecla "ENCENDIDO"

usted puede configurar la tecla "encendido" para realizar varias acciones. Por ejemplo, puede programar la tecla de "encendido" para encender el televisor, encender el decodificador de cable y seleccionar un canal en particular. Todo esto lo puede realizar siguiendo los siguientes pasos:

- 1. Mantenga presionado durante 3 segundos o mas la tecla P "programar" la tecla TV se iluminara
- 2. Seleccione la tecla que correponda al dispositvo a programar en la macro (TV, DVD, ETC)
- 3. introduzca la serie de comando de su elección para que se ejecuten en la macro (cambio de canal, volumen +/-, encendido, canales favoritos, etc) Puede ingresar hasta 20 comandos.
- 4. Para almacenar la programación de macro presione la tecla P "programación" y el led se apagara.
- 5. Para activar la funcion de macro "encendido" presione por 3 segundos la tecla "encendido" y el dispositivo programado comenzara a ejecutar la macro grabada previamente en el control.
- 6. Para borra la macro "encendido", presione por 3 segundos la tecla "P" (programar)

## Programación Favoritos:

- 1. Presione la tecla que corresponda al equipo a configurar (TV, VCR, DVD, ETC).
- 2. Presione la tecla "p" (programar) conjuntamente con la tecla que corresponda segun sea el caso (papá, mamá, niños) al soltar se encendera el led de la tecla del dispositivo elegido.
- 3. Presione la tecla donde desea guardal el canal favorito segun corresponda (noticias, peliculas, deportes, familia) el led parpadeara una vez.
- 4. Ingrese el canal favorito utilizando las teclas de numero y confirme el numero con la tecla "entrar"
- 5. Para guardar la configuración presione el botón correspondiente al dispositivo a programar (TV. DVD.DCR, ETC)

NOTA: Puede guardar hasta 3 canales en una categoria confirmando con la tecla "entrar" despues de presionar el numero de canal.

Para acceder a los canales favoritos programados de mamá, papá, o niños:

- \* Presione la tecla de usuario (mamá ó papá' ó niños)
- \* Presione la tecla de género (Noticias, Películas, Deportes, Familiar)

## Despliegue el Código programado:

Para desplegar el código de 3 digitos almacenado en cada una de las teclas de los dispositivos configurados siga los siguientes pasos:

- 1. Presione la tecla del dispositivo que desea conocer el código (TV,DVD, VCR, SAT, ETC).
- 2. Para obtener el primer digito del código presione simultaneamente y suelte las teclas "P" (programar) + 1
- 3. Para obtener el segundo digito del código presione simultaneamente y suelte las teclas "P" (progra-mar) + 2
- Para obtener el tercer digito del código presione simultaneamente y suelte las teclas "P" (programar) + 3

NOTA: Al terminar de presionar las teclas, la tecla del dispositivo seleccionado parpadeara indicando el numero correspondiente al digito. Si no parpadea la tecla, la cifra es cero. Por ejemplo: por código 138

"P" (PROGRAMAR) +1 (primer dígito): LED parpadea 1 vez

"P" (PROGRAMAR) +2 (segundo dígito): LED parpadea 3 veces

"P" (PROGRAMAR) +3 (tercer dígito): El LED parpadea 8 veces



## **Especificaciones:**

3 Vcc Utiliza 2 pilas "AAA" (NO INCLUIDAS)

MARCA	TV .	MARCA	TV	MARCA	TV	MARCA	CABLE	MARCA	DVD	Códigos para DVD/Receptor	r Digital Satelital (PVR Combos)	Axion	152	Controlado por Televisio	in
Abex (	007	Jensen	044, 052, 053	Syntax	067, 072, 084	Unika	006, 014, 059	Greenhill	077	Controlado por VCR		Broksonic	175	Akai	194
Accruing (	193	JVC	011, 041, 074	Tandy	016, 026	Universal	006, 007, 014, 059	Grundig	163,196	RCA	(83	Cinego Emerson	172,118	Polaroid	105
Admiral (	016,031	KEC	025	Tatung	002	V2	144	Hitachi	066	Sylvania Toshiba	001	Go Vision	152		100
Advent (	144, 048, 052, 053, 055	Kenwood	005,006	Technics	010, 028	Viewmaster	144	Hiteker	071	Toshiba	151	1.0	128	Controlado por VCR	l
Aiko (	015	KLH	045, 047	Techwood	002, 010, 013	Viewstar	162	iLo Initial	128	TOMING	101	Initial Magnavox	118	Sharp	131
Akai (	06, 014, 034, 038, 050, 094	Kost	077	Teknika	003, 005, 008, 012, 013, 014, 015, 018, 025	Vision Vortex View	944		077,128	Controlado por DVD		Mintek	128	Códigos para VCRs	
Albatron (	197	KTV	006, 008, 025	Telefunken	013, 038	Zenith	101, 027, 045	Insignia Integra	165	Panasonic	065	Panasonic	130	Admiral	107
A-Mark (	002	LG	024, 037, 057, 071, 078	Thomas TMK	013, 024	ZCIIUI	101, 027, 043	IRT	881	Pioneer	069	Philips	195,116	Adventura	101
America Action (	025	Lloyd's	195	INCi	013, 024	Códigos para Cabl	le/Receptor Satelital Digital (PVR Combos)	JMB	172	RCA	69	Sansui	175	Aiwa	001, 003, 020
Anam (	125	Logik	003	Toshiba	014, 019, 020, 033, 056, 070, 076, 078, 087, 091, 092	Americast 0	045	JVC	068, 097,149	Sylvania	072	Sylvania	172,118		040
	002, 005, 006	Luxman	013	Totevision	008	General instrument 0	025, 038	Kenwood	055,062			Toshiba	N75	Allegro	HU
	120, 043, 045, 047, 061		009, 012, 019, 020, 024, 042	TVS	131	Jerrold 0	025, 038	KLH	077,103	Códigos para Decodi	ficadores	Códigos para TV/VCR Cor Controlado por Television	1108	American High	102
Archer (	M2	Magnasonic	196	Vector Research	006	$\vdash$	025, 038, 053	Kloss	162	DirecTV	130	America Action	125	Asha	017
Audiovox ( Aventura (	002, 015, 025, 030, 032, 040, 049, 060, 108,101	Magnavox	006, 012, 039, 049, 075, 089, 095, 096	Victor	011		017, 058	Koss	150	Dish Network System	053, 050	Andiovex	025	Audiovox	103
Axion 1	Mi	Majestic Marantz	MS 006, 089,012	Vidikron	012		043, 058	Lecson	067,078,084,098, 166,174,182	Dishpro	053, 050	Emerson	027	Beaumark	017
Belcor (	ME	Matsushita	028, 033	Vidtech	005, 024	Scientific Atlanta 0	043, 058	LiteOn	110,114,124	Echostar	053, 050	Funai	095	Bell & Howell	112
	103, 019	Megapower	037	Wards	003, 005, 006, 012, 013, 021, 024, 059, 070	Superchle 0	070	Loewe	057	Expressvu GOI	150	GE	198		11.07
Bradford (	125	Megatron	002, 017, 024	Waycon	020	Zenith 0	045	Logix	081	HTS	150	Harley Davidson	095 nor	Broksonic	014, 047
Brockwood (	W5	Memorex	003, 018, 019, 024, 031, 097, 099, 100	Westinghouse White Westinghouse	001, 030, 062 031, 032			Magnasonic	109	Hughes Network Systems	(30	Hyundai Lloyd's	195	Calix	JUI 5
	02, 025, 027, 031	MGA	005, 006, 018, 024	Vanaha	005, 006	Cadigas para DDC/	/Receptor Satelital Digital (PVR Combos)	Magnavox	056,063,070,072,090,118,141	Humax	030	Magnasonic	196	Canon	002
	06, 013	Midland	004, 007, 008, 009, 010, 042	Zenith	003, 004, 015, 024, 031, 068, 078, 095			Marantz	063	JVC	150	Magnavox	095, 096	Cine Vision	140
Carnivale (	006	Mitsubishi	005, 016, 018, 024, 054,106	Zonda	002	Echostar	050,053	Meintosh	132 075 110	Panasonic	126	Optimus	100, 099, 096	Citizen	003, 046
Carver (	012	Monivision	037	0/11 0		Expressvu	050	Memorex Microsoft	075,119 050	Philips	027, 030	Panasonic	100, 099	Craig	003, 006, 017
Celebrity (	W1	Motorola	016	Códigos para Cable		Hughes Network Systems	s 030	Microsott Mintek	077,094,128,147	RCA Restactiv	N53	Quasar	099		
Celera (	145	MTC	005, 006, 013, 014	ABC	002,003	Philips	030	Mitsubishi	058,131	ReplayTV Samsung	052, 026 030	RadioShack RCA	095, 097 008	Curtis Mathes	002, 009, 013, 036
Changhong (	145	Multitech	025	Allegra	014,022	Samsung	030	NAD	067,078	Sonic Blue	052, 026	RCA Sansui	195	Cybernex	117
Cinego 1	103		120, 024, 059	Allegro	/	Códigos para Repr	roductores DVD	NEC	082	Sony	029	Sears	095	Daewoo	040, 046
Citizen (	06, 008, 013, 014, 015	NEC	005, 006, 013, 092	Americast	145			Nesa	077	Tivo	(27, 029, 030	Sony	095	DirecTV	130
Clarion (	025	Nikko	006, 015, 024	Antronix	006,059		161,163	Norcent	205	Toshiba	034, 051	Symphonic	195,096	Dish Network System	053, 050
	09,088	Norcent	043	Archer	006, 007, 014,059, 037	Accurian	073,074,080,086,124, 133,153, 170,171,175,176,179,186,191,193	Onkyo	056,083			Thomas	095		053, 050
Concerto (	113	NTC	015	Bell South	045	Aiwa	194	Optimus	065	Códigos para Recepto	ores de Señal Satelital	Zenith	095	Dishpro	100, 100
Contec (	05		067, 072, 084	Cabletenna	106	Akai	U75	Orion Palsonic	102	Chaparral	015	Controlado por VCR Broksonic	947	Durabrand	104
Craig (	05	Onwa	025		100	Alba	195,197	Panasanir	055,056,076,121,127,130,134,139,142,147	Crossdigital	048	Citizen	046	Dynatech	101
Crosley (	08.025		019, 022, 028, 033, 096, 099, 100	Cableview	006	All	100	n a			010, 018, 024, 029, 030, 033, 034, 039, 047, 048, 049, 063	Curtic Mathee	024	Echostar	053, 050
Crown						Allegro	198	Phileo	173,180	DirecTV	214, 214, 224, 324, 324, 324, 324, 324, 327, 314, 314, 312, 312		030		
			016,021	Century	014	Allegro AMMW	115	Philips	056,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16	DirecTV Dish Naturark System	054, 055, 056, 057	Daewoo	046	Electrohome	103
Curtis Mathes	103, 006, 008, 009, 012, 013, 014, 016, 017, 019, 022, 030, 038 142, 069, 086	Orion	027, 031	_Century _Citizen	014 014,022	AMMW	115 115	Philips			054, 055, 056, 057 035, 060, 050		146 125, 046, 047		003 003
Curtis Mathes CXC	003, 006, 008, 009, 012, 013, 014, 016, 017, 019, 022, 030, 038 442, 069, 086 125	Orion Panasonic	027, 031 010, 028, 033, 099, 100		014 014, 022	AMMW Amphion Media Works	115 115	Philips FianoDisc Pioneer	056,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16		054, 055, 056, 057	Daewoo Emerson Funai	100	Electrophonic	003 003
Cartis Mathes CXC Daewoo	103, 006, 008, 009, 012, 013, 014, 016, 017, 019, 022, 030, 038	Orion Panasonic Penney	027, 031 010, 028, 033, 099, 100 002, 005, 006, 007, 008, 009, 010, 014, 020, 024, 042, 086	-Citizen Clearmaster	014, 022 044 044	AMMW Amphion Media Works Anam	140	Philips	056,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16 9,178,188,189 106	Dish Network System Dishpro	054, 055, 056, 057 035, 060, 050 035, 060	Daewoo Emerson Funai GE	1946 1945, 1946, 1947 1917, 1911, 1936, 1939		003 003 001, 003, 014, 025, 046, 047, 048
Curtis Mathes CXC Daewoo Daytron	03, 606, 608, 609, 612, 613, 614, 616, 617, 619, 622, 630, 633 422, 669, 666 225 065, 665, 615, 630, 632, 634	Orion Panasonic Penney Philco	027, 031 010, 028, 033, 699, 100 002, 005, 006, 007, 008, 009, 010, 014, 020, 024, 042, 086 005, 006, 012	Citizen Clearmaster ClearMax	014 014,022 044 044	AMMW Amphion Media Works Anam Apex Digital	998 115 115 140 771/977/992101.103.150	Philips PianoDisc Pioneer Polaroid Polk Audio	\$56,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16 \$1,178,183,189  60,065,069,136,144  183,129,198,115,156  63	Dish Network System Dishpro Echostar Expressvu GE	054, 055, 056, 057 035, 060, 050 035, 060	Daewoo Emerson Funai GE GoldStar	100	Electrophonic	003 003 001, 005, 014, 025, 046, 047, 048 040
Curtis Mathes CXC Daewoo Daytron	003, 006, 008, 009, 012, 013, 014, 016, 017, 019, 022, 030, 038 442, 069, 086 125	Orion Panasonic Penney	027, 031 010, 028, 033, 099, 100 002, 005, 006, 007, 008, 009, 010, 014, 020, 024, 042, 086	- Citizen Clearmaster ClearMax Coolmax	014 014,022 044 044	AMMW Amphion Media Works Anam Apex Digital Arrgo	140	Philips PianoDisc Pioneer Polaroid Polk Audio Presidian	956,65,070,072,095,116,117,120,125,141,158,159,161,163,168,16 ),178,188,189 106 660,65,069, 136,144	Dish Network System Dishpro Echostar	184, 055, 056, 057 035, 060, 050 035, 060 016, 019, 035, 060, 050 035	Daewoo Emerson Funai GE	100	Electrophonic	M3 M3, M3, M4, M3, M4, M7, M8 M9, M3, M4, M7, M8 M9
Curtis Mathes  CXC  Daewoo  Daytron  Dell  Denon	03, 606, 608, 609, 612, 613, 614, 616, 617, 619, 622, 630, 633 422, 669, 666 225 065, 665, 615, 630, 632, 634	Orion Panasonic Penney Philco Philips	127, 181 110, 028, 633, 699, 100 102, 005, 006, 007, 008, 009, 010, 014, 020, 024, 042, 066 105, 006, 012 112, 036, 689 1022, 035, 689	Citizen Clearmaster ClearMax Coolmax Director	114, 102, 102 144 144 144 125	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital	140 071,077,092,101,103,150 203 123	Philips PianoDisc Pioneer Polaroid Polk Audio Presidian Proceed	\$56,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16 \$1,178,183,189  60,065,069,136,144  183,129,198,115,156  63	Dish Network System Dishpro Echostar Expressyu GE General Instrument GOI	184, 055, 056, 057 035, 060, 050 035, 060 016, 019, 035, 060, 050 035	Daewoo Emerson Funai GE GoldStar Harley Davidson Hitachi	100	Electrophonic Emerson ESA	003 003 001, 005, 044, 025, 046, 047, 048 40 50 06, 011, 012
Curtis Mathes CXC Daewoo Daytron Dell Denon Dumont	183, 606, 608, 609, 602, 613, 614, 616, 617, 619, 622, 630, 639 422, 669, 686 105, 608, 612, 630, 632, 634 105 1071, 689	Orion Panasonic Penney Philco Philips Pilot	227, 031 910, 028, 033, 099, 100 902, 005, 906, 007, 008, 009, 010, 014, 020, 024, 042, 066 906, 0012 912, 056, 009 906, 006, 008	Citizen Clearmaster ClearMax Coolmax Director	014, 022 044 044 044 025 037	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Audiovox	40 771/77/922/012/03,150 503 523 577,152,155	Philips PianoDisc Pioneer Polaroid Polk Audio Presidian	\$56,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16 \$1,178,183,189  60,065,069,136,144  183,129,198,115,156  63	Dish Network System Dishpro Echostar Expressvu GE	184, 055, 056, 057 035, 060, 050 035, 060 016, 019, 035, 060, 050 035	Daewoo Emerson Funai GE GoldStar Harley Davidson Hitachi LG Lloyd's	801 107, 631, 656, 639 1044 1050 1050 1050 1050 1050 1050 1050	Electrophonic Emerson ESA Expressyu	)40 )50
Curtis Mathes CXC Daewoo Daytron Dell Denon Dumont Durabrand Dwin	UR, DMG, DMK, UPS, UPS, UTS, UTS, UTS, UTS, UTS, UTS, UTS, UT	Orion Panasonic Penney Philos Philips Pilot Pioneer Polaroid	27, 631 101, 625, 635, 699, 100 101, 605, 605, 610 101, 605, 601 101, 605, 601 101, 605, 601 101, 605, 601 101, 605, 601 101, 605, 601 101, 605, 601 101, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105, 605, 605 105	Citizen Clearmaster ClearMax Coolmax Director	014 014, 022 044 044 045 025 037	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Audiovox	140 071,077,092,101,103,150 203 123	Philips PianoDisc Pioneer Polaroid Polk Audio Presidian Proceed	\$56,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16 \$1,178,183,189  60,065,069,136,144  183,129,198,115,156  63	Dish Network System Dishpro Echostar Expressyu GE General Instrument GOI	184, 055, 056, 057 035, 060, 050 035, 060 016, 019, 035, 060, 050 035	Daewoo Emerson Funai GE GoddStar Harley Davidson Hitachi LG Lloyd's Magnasonic	001 17.7, 635, 639 1041 4 1041 1041 1041 1041 1041 1041 1	Electrophonic Emerson ESA Expressvu Fisher	940 150 06, 011, 012 012
Curtis Mathes CXC Daewo Daytron Dell Denon Dumont Dumbardand Dwin Electroband	103, 1066, 1008, 1094, 1012, 1013, 1014, 1016, 1017, 1019, 1022, 1318, 1338 142, 1409, 1608 105, 1008, 1015, 1201, 1032, 1034 105 1071, 1609 107, 1609 107, 1619 107, 161	Orion Pansonic Penney Philico Philips Piot Pioneer Polaroid Prima Princeton	127, 151 101, 0.124, 0.32, 0.99, 1.00 1012, 0.05, 0.07, 0.07, 0.09, 0.10, 0.14, 1.20, 0.24, 0.24, 0.05, 0.05, 0.07 112, 0.35, 0.09 102, 0.35, 0.09 102, 0.35, 0.09 103, 0.35, 0.09 104, 0.35, 0.09 105, 0.05, 0.05 105, 0.05, 0.05 105, 0.05, 0.05 105, 0.05	Citizen Clearmaster ClearMax Coolmax Director S. Emerson	014 014, 022 044 044 045 025 037	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Audiovox	40 771/77/922/012/03,150 503 123 177,152,153	Philips FranoDisc FranoDisc Francer Polaroid Polk Audio Presidian Proceed Provision	\$56,063,070,072,095,116,117,120,135,141,158,159,161,163,168,16 \$1,178,183,189  60,065,069,136,144  183,129,198,115,156  63	Dish Network System Dishpro Echostar Expressiv GE General Instrument GOI Hitachi HTS Hughes Network Systems	854, 465 (56, 467)* 835, 664, 169 815, 664, 169 816, 619, 955, 664, 859 814, 629 824 825 824 825 825 825 825 825 825 825 825 825 825	Daessoo Emerson Funai GE GoddStar Harley Davidson Hitachi L.G Lloyd's Magnasonic	801 107, 631, 656, 639 1044 1050 1050 1050 1050 1050 1050 1050	Electrophonic Emerson ESA Expressvu Fisher Funai	)40 )50
Curtis Mathes CXC Daewso Daytron Dell Denon Dumont Dumont Duraherand Durish Electroband Electroband	103, 1066, 1008, 1094, 1012, 1013, 1014, 1016, 1017, 1019, 1022, 1318, 1338 142, 1409, 1608 105, 1008, 1015, 1201, 1032, 1034 105 1071, 1609 107, 1609 107, 1619 107, 161	Orion Panasonic Penney Philos Philips Pilot Pioneer Polaroid	127, 151 101, 0.124, 0.32, 0.99, 1.00 1012, 0.05, 0.07, 0.07, 0.09, 0.10, 0.14, 1.20, 0.24, 0.24, 0.05, 0.05, 0.07 112, 0.35, 0.09 102, 0.35, 0.09 102, 0.35, 0.09 103, 0.35, 0.09 104, 0.35, 0.09 105, 0.05, 0.05 105, 0.05, 0.05 105, 0.05, 0.05 105, 0.05	Clizen Clearmaster ClearMax Coolmax Director S. Emerson Everquest Carrard	104 (102 104 104 104 104 104 104 104 104 104 104	AMMW Amphion Media Works Anam Apex Digital Arryo Aspire Digital Audiovox Axion	40 771/77/922/012/03,150 503 123 177,152,153	Philips FranoDisc FranoDisc Francer Polaroid Polk Audio Presidian Proceed Provision	\$56,065,079,072,095,116,117,270,135,141,158,159,161,163,168,16 \$1,373,888,189 186 \$60,065,669,136,144 183, 122,815,356 \$63 \$72,155,157 \$71 \$99 \$18	Dish Network System Dishpro Echostar Expressvu GE General Instrument GOI Hitachi HTS Hughes	854, 465, 664, 875  825, 664  825, 664  825, 664  826, 664  826  824, 629  822  823  824  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  826  827  827  828  828  828  828  828	Daewoo Emerson Fonai GE GoddStar Harley Davidson Hitch LG Lloyd's Magnasonic Magnavox	001 17.7, 635, 639 1041 4 1041 1041 1041 1041 1041 1041 1	Electrophonic Emerson ESA Expressvu Fisher	140 150 106, 111, 102 102 101, US, 148
Curtis Mathes  CXC  Daeviso  Daytron  Dell  Denon  Dumont  Duraherand  Divin  Electroband  Electroband  Electroband  Electroband	08, 606, 600, 609, 612, 613, 614, 616, 617, 619, 622, 630, 638 421, 669, 688 195, 501, 622, 634 195 195 197 198 191 191 194 195 196 196 196 197 197 198 198 198 198 198 198 198 198 198 198	Orion Panasonic Penney Philico Philico Philips Pilot Prisoner Polaroid Prima Prisoner Prison Prison Proson	27, 631 101, 022, 623, 699, 100 1012, 035, 066, 077, 006, 009, 010, 014, 024, 424, 442, 866 105, 006, 012 101, 036, 006, 008 102, 036, 009 102, 036, 009 102, 036, 009 103, 036, 037, 037, 039, 030, 031, 032, 033, 035, 044, 135, 069 104, 035, 037, 037, 039, 039, 031, 032, 033, 035, 044, 135, 069 104, 035, 035, 037, 039, 039, 031, 032, 033, 035, 044, 135, 069 104, 035, 035, 036, 037, 039, 039, 031, 032, 033, 035, 034, 135, 069 104, 036, 036, 036, 036, 036, 036, 036, 036	Clizen ClearMax Coolnax Director Exerquest Carrard CC Electronics	144 144 144 125 137 184 189	AMMW Amphion Media Works Anam Apex Digital Arryo Aspire Digital Audiovox Axion Blaupunkt	40 771/77/922/012/03,150 503 123 177,152,153	Palilips PanoDisc Pioneer Poleroid Polkroid Presidian Proceed Proscan Pro Vision Radionette RCA	\$56,065,079,072,095,116,117,270,135,141,158,159,161,163,168,16 \$1,373,888,189 186 \$60,065,669,136,144 183, 122,815,356 \$63 \$72,155,157 \$71 \$99 \$18	Dish Network System Dishpro Echostar Expressivu GG General Instrument GOI Hitachi HITS Hughes Hughes Systems Jevold IVC	854, MSC KGM, MST   1535, MGM, 189   1545, MST, MGM   155	Daewoo Enerson Fenai GE GGE GodStar Harley Davidson Hittoth L.G L.G L.Buf's Magnasonic Magnasonic Magnin Memorex MGA	001 107, (3, 6, 6, 69 ) 144	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Curtis Mathes  CXC  Daviso  Daytron  Dell  Denon  Dumont  Durahrand  Divin  Electroband  Electroband  Electrobane  Electros	103, 1066, 1008, 1094, 1012, 1013, 1014, 1016, 1017, 1019, 1022, 1318, 1338 142, 1409, 1608 105, 1008, 1015, 1201, 1032, 1034 105 1071, 1609 107, 1609 107, 1619 107, 161	Orion Panasonic Penney Philos Philos Philos Philos Philos Philos Phina Prima Prima Prima Prima Prissan Prissan Prissan	27, 631 190, 628, 623, 699, 109 102, 035, 040, 077, 008, 009, 010, 014, 020, 024, 042, 066 102, 035, 040, 012 112, 035, 069 1005, 006, 008 102, 035, 036 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 106, 005, 008 106, 005, 008 107, 008, 008 108, 008 109, 008, 008 109, 008, 008 100, 0	Clizen ClearMax Coolnax Director Exerquest Carrard CElectronics Cemini	044 044 025 027 044 044 059 044 059 044 057	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Audiovox Axion Blaupunkt Bue Parade	40 771/77/922/012/03,150 503 123 177,152,153	Palilips PanoDisc Pioneer Poleroid Polkroid Presidian Proceed Proscan Pro Vision Radionette RCA	\$56,065,079,072,095,116,117,270,135,141,158,159,161,163,168,16 \$1,373,888,189 186 \$60,065,669,136,144 183, 122,815,356 \$63 \$72,155,157 \$71 \$99 \$18	Dish Network System Dishpro Echostar Expressiva GE General Instrument GOI Hitshi HITS Hughes Hughes Verwirk Systems Legend JVC Legend	854, 685, 68, 697  1035, 660, 169  1036, 160, 160, 160  1036, 160, 160, 160  1037  104, 1029  104  105  105  105  105  105  105  105	Daewoo Emerson Funai GE GoldStar Harley Davidson Hitachi L.G Loyd's Magnasonic Magnavox Magnin Memorex	801 107, 431, 456, 439 147, 431, 431, 431, 431, 431, 431, 431, 431	Electrophonic Emerson ESA Expressvu Fisher Funai	140 150 106, 111, 102 102 101, US, 148
Cartis Mathes CXC Daewso Daytron Daytron Del Denon Dumont Dumont Derabrand Dwin Electroband Electroband Electrobane Electra Enerson Earision	08, 606, 600, 609, 612, 613, 614, 616, 617, 619, 622, 630, 638 421, 669, 688 195, 501, 622, 634 195 195 197 198 191 191 194 195 196 196 196 197 197 198 198 198 198 198 198 198 198 198 198	Orion Panasonic Panasonic Penacy Philips Philips Polac Ponacer Polaroid Primacer Pri	27, 631 101, 022, 623, 699, 100 1012, 035, 066, 077, 006, 009, 010, 014, 024, 424, 442, 866 105, 006, 012 101, 036, 006, 008 102, 036, 009 102, 036, 009 102, 036, 009 103, 036, 037, 037, 039, 030, 031, 032, 033, 035, 044, 135, 069 104, 035, 037, 037, 039, 039, 031, 032, 033, 035, 044, 135, 069 104, 035, 035, 037, 039, 039, 031, 032, 033, 035, 044, 135, 069 104, 035, 035, 036, 037, 039, 039, 031, 032, 033, 035, 034, 135, 069 104, 036, 036, 036, 036, 036, 036, 036, 036	Citizen ClearMax Coolmax Director Semerson Everquest Garrard AC Electronics Centin	144 144 144 125 137 184 189	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Baupunkt Bue Parade Bue Sky Broksonic	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Paligo Fanulvic Funcer Funcer Fultraid Polit Audio Presidan Presidan Presidan Radionette RCA Realistic Sco Redel Suba	\$56,062,079,072,095,116,117,139,135,141,159,191,163,163,16 \$175,188,189 106 \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Echostar Expressivu GG General Instrument GOI Hitachi HITS Hughes Hughes Systems Jevold IVC	854, 465, 664, 875  825, 664  825, 664  825, 664  826, 664  826  824, 629  822  823  824  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  824, 626  825  826  827  827  828  828  828  828  828	Daewoo Emerson Femai GE GodStar Harley Davidson Hittachi LG Loyd's Magnawa Magnin Memoret MGA Mitsubishi Optimus	001 107, (3, 6, 6, 69 ) 144	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Cartis Mathes CXC Daewso Daytron Daytron Del Denon Dumont Dumont Derabrand Dwin Electroband Electroband Electrobane Electra Enerson Earision	US, DMG, DMG, UPS, UPS, UTS, UTS, UTS, UTS, UTS, UTS, UTS, UT	Orion Panasonic Penney Philos Philos Philos Philos Philos Philos Phina Prima Prima Prima Prima Prissan Prissan Prissan	27, 631 101, 622, 633, 699, 109 101, 605, 606, 607 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 606, 601 101, 601 101, 601, 601 101, 601	Citizen ClearMax Coolmax Director Semesson Everquest Garrard GC Electronics General Instrument Semesson GoldStar	044 044 025 027 044 044 059 044 059 044 057	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiov ox Axion Biaspunkt Biae Parade Biae Sky Broksonic California Audio Labs	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Palilips PanoDisc Pioneer Poleroid Polkroid Presidian Proceed Proscan Pro Vision Radionette RCA	\$56,065,079,072,095,116,117,270,135,141,158,159,161,163,168,16 \$1,373,888,189 186 \$60,065,669,136,144 183, 122,815,356 \$63 \$72,155,157 \$71 \$99 \$18	Dish Network System Dishpro E-bostar E-bostar E-bressvu GE General instrument GOI Hitschi HTS Hughes Network Systems Jevold JVC Legend Magazwx Meanerex Mitsabibli	854, 465, 664, 877  1035, 664, 169  1035, 664, 169  1036, 169, 169, 169  1037  104, 1039  105  105  107  107  107  107  107  107	Daewoo Enerson Fanni GE Goldker Fallen Goldker Hitachi LG LG Layu's Magassonic Magassonic Magassoni Memoret MGA Ughama Opinims Orion	001 107, 131, 136, 139 144 1001 1001 1001 1025, 046 1025, 047 1001 1025, 046 1037 1037 1041 1057 1057 1057 1057 1057 1057 1057 105	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Curis Mathes CXC Daewso Daytron Dell Dell Deson Dumont Duraberand Duraberand Detectroband Electroband Electrobane Elektra Emerson Envision Ext. A Fisher	NS, 606, 6004, 6014, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 660, 666 665 665 665 665 665 665 665 665 665	Orion Panasonic Panasonic Penacy Philips Philips Polac Ponacer Polaroid Primacer Pri	27, 631 101, 022, 633, 699, 100 1012, 065, 066, 077, 082, 089, 010, 014, 429, 424, 442, 866 105, 066, 012 112, 636, 668 105, 066, 018 122, 638, 659 105, 066, 088 123, 638, 659, 658, 678, 689, 681, 682, 683, 685, 104, 165, 699 106, 015 107 101 101 102, 103, 103, 103, 104, 104, 104, 104, 105, 104, 104, 104, 104, 104, 104, 104, 104	Citizen ClearMax Coolmax Director Semerson Everquest Garrard AC Electronics Centin	044 044 025 027 044 044 059 044 059 044 057	AMMW Amphion Media Works Anam Apex Digital Arrsp Aspire Digital Andivox Astion Blaupunkt Blue Parade Blue Sky Broksonic California Audio Labs Celestial	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Paligo Fanulvic Funcer Funcer Fultraid Polit Audio Presidan Presidan Presidan Radionette RCA Realistic Sco Redel Suba	\$56,062,079,072,095,116,117,139,135,141,159,191,163,163,16 \$175,188,189 106 \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Echostar Echostar Echostar Echostar Echostar GE General instrument GOI Bitachi HTS Hughes Hughes Vetwork Systems Jovadl JVC Legend Magnavox Memorex Memorex Memorex	854, 465, 66, 467   835, 664, 169   835, 664, 169   836, 101, 103, 564, 665   834, 102   835   834, 103   835   834, 1054, 105   834, 1054, 105   835   834, 1054, 105   835, 105   834, 1054, 105   835, 105   837, 105   838, 1054, 105   838, 1054, 105   838, 1054, 105   838, 1054, 105   838, 1054, 1055   838, 1054, 1055   838, 1054, 1055   838, 1054, 1055   838, 1054, 1055   838, 1054, 1055   838, 1054, 1055   838, 1054   8	Dieston Earram Fatti GE GAS Largh Davidson Harde Davidson Harde Davidson Harde Davidson Harde Davidson Magnasie	001 107, (51, 656, 629 1404 1001 1001 1022, 647 1001 1025, 646 1049, (00, 405 107 103, (022, 607, 642, 644, 665 107 103 103, (022, 607, 642, 644, 665 103, (022, 607, 642, 645 103, (032, 647, 642, 645 103, (032, 647, 642, 645 103, (032, 647, 642, 645 103, (032, 642, 642, 645 103, (032, 642, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (032, 642, 642 103, (	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Curis Mathes CXC Daewso Daytron Dytrun Del Del Denon Dumont Dumont Derbrand Devin Electroband Electroband Encision Encon Enrision ExX Fisher Fisher Funni	N.S. (MK, 100K, 100K, 101Z, 10	Orion Pansonic Penney Philip Philip Philip Phote Phote Porion Prion Prion Prion Prion Prion Prion Prion Prion Prion Rodon Prion Prion Rodon Rodo	27, 631 101, 022, 633, 699, 109 1012, 065, 066, 077, 086, 087, 081, 074, 472, 472, 472, 482, 482, 886 102, 065, 066, 012 112, 28, 56, 899 105, 066, 088 102, 28, 559, 773, 779, 600, 681, 692, 683, 685, 104, 165, 699 106, 106, 086 107, 48, 486, 526, 583 107 109 100, 106, 106, 108, 109, 109, 109, 109, 109, 109, 109, 109	Citizen ClearMax Coolmax Director Semesson Everquest Garrard GC Electronics General Instrument Semesson GoldStar	044 044 025 027 044 044 059 044 059 044 057	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Audiov ox Axion Blaupunkt Blue Parade Blue Sky Broksonic California Audio Labs Celestial Centrex	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Paligo Fanolbic Fanol	\$56,062,079,072,095,116,117,139,135,141,159,191,163,163,16 \$175,188,189 106 \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Ez-hotar Ez-hotar Ez-hotar Ez-hotar Ez-hotar GE General Instrument GOI Hitachi HITS Hinghes Hinghes Network Systems Jevold JVC Legend Magnavox Memorex Milisabishi Mottorela Next Level	854, 685, 686, 6875 835, 666, 1698 835, 666, 1698 836, 169, 185, 1696, 1898 836, 187, 185, 1696, 1898 832, 1859 834, 1854, 1856 834, 1854, 1856 835, 1858, 1858 837 838, 1854, 1858 839 831, 1854, 1856 831 832 833, 1854, 1858 831 833, 1834 834 835, 1838 834 835, 1838 834 835, 1838 835	Daewoo Enerson Fanni GE Goldker Fallen Goldker Hitachi LG LG Layu's Magassonic Magassonic Magassoni Memoret MGA Ughama Opinims Orion	001 107, 131, 136, 139 144 1001 1001 1001 1025, 046 1025, 047 1001 1025, 046 1037 1037 1041 1057 1057 1057 1057 1057 1057 1057 105	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 101, 102, 103 103 103 103 103 103 103 103 103 103
Cartis Mathes CXC Daewoo Daytron Del Del Denon Demont Demont Demont Demont Deterbohand Electroband Electrobane Electro Flexibility Encron Encron Encron Existin Futuretech	08, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638 421, 506, 508 185, 508, 615, 530, 622, 634 185 187 197 198 144, 505 164, 405 165 165, 402 101 101 102 106 105, 508, 609, 602, 604, 605, 607, 604, 607, 602 106 107 108 109 109 109 100 100 100 100 100 100 100	Orion Pansonic Pensey Philito Philito Philito Philito Philito Princer Petavid Princer Petavid Princer Protavid Prince Protavid Prince Protavid RadioShack Realistic	27, 631  180, 628, 623, 609, 100  102, 035, 066, 072, 008, 009, 010, 014, 023, 024, 022, 066  102, 035, 066, 012  122, 628, 609  105, 066, 018  122, 628, 609  105, 066, 018  123, 628, 629, 73, 73, 70, 000, 003, 002, 003, 005, 104, 105, 006  104, 105, 068, 088  123, 628, 628, 73, 737, 079, 000, 003, 002, 003, 005, 104, 105, 006  104, 105, 068, 078, 078, 078, 078, 078, 078, 078, 07	Citizen ClearMax Coolmax Director S Emerson Everquest Garrard GC Electronics Gentral Instrument Goddistar Goddinind	044	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Audiovox Axion Blue Parade Blue Sky Broksonic California Audio Labs Celestial Centrex Ginea	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Palips Panolise Panolise Panolise Panolise Panolise Panolise Panolise Panolise Proceda Procean Provision Radionette Rea Rea Rea Rea Rea Rea Rea Rea Rea Re	\$56,062,079,072,095,116,117,139,135,141,159,191,163,163,16 \$175,188,189 106 \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Echostar Echostar Echostar Echostar Echostar GE General instrument GOI Bitachi HTS Hughes Hughes Vetwork Systems Jovadl JVC Legend Magnavox Memorex Memorex Memorex	854, 465, 664, 877  1035, 664, 169  1035, 664, 169  1036, 169, 169, 169  1037  104, 1039  105  105  107  107  107  107  107  107	Dieson Earram Fout G.E GABNar Harle Division Meganes	801 107, 431, 456, 409 1017, 431, 436, 409 1011 1011 1022, 437 1011 1022, 437 1011 1023, 436 1023, 437, 442, 444, 485 1017 1013, 422, 437, 442, 444, 485 1017 1013, 422, 445, 445 1017 1013, 422, 445, 445 1017 1013, 422, 445, 445 1017 1013, 422, 445, 445 1017, 435, 444 1013, 456, 442 1010, 437 101	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Cartis Mathes CXC Daesso Daytron Del Del Del Deson Dumont Dumont Dumont Detroband Detroband Electroband Electroband Exertino Exer	NS, 506, 500, 609, 612, 613, 614, 616, 617, 619, 622, 630, 638 421, 609, 608 185, 500, 615, 630, 622, 624 185 185 187 187 188, 406 189 189 189 189 189 189 189 189 189 189	Orion Pansonic Penney Philip Philip Philip Phote Phote Porion Prion Prion Prion Prion Prion Prion Prion Prion Prion Rodon Prion Prion Rodon Rodo	27, 631  180, 628, 623, 609, 100  102, 035, 066, 072, 008, 009, 010, 014, 023, 024, 022, 066  102, 035, 066, 012  122, 628, 609  105, 066, 018  122, 628, 609  105, 066, 018  123, 628, 629, 73, 73, 70, 000, 003, 002, 003, 005, 104, 105, 006  104, 105, 068, 088  123, 628, 628, 73, 737, 079, 000, 003, 002, 003, 005, 104, 105, 006  104, 105, 068, 078, 078, 078, 078, 078, 078, 078, 07	Citizen ClearMax Coolmax Director Semerson Everquest Garrard GC Electronics General Instrument GoldStar GoldStar Jasco Jeroud	144	AMMW Amphion Media Works Anam Apex Digital Arryo Aspire Digital Andirox Asion Blaupunkt Blue Parade Blue Sky Brokstonia Audio Labs Celestial Centrex Cinea Cine Vision	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Palips Panulbic Panul	\$56,062,079,072,095,116,117,139,135,141,150,159,161,163,160,16 106  \$60,000,000,000,000,000,000  \$61,000,000,000,000,000  \$61,000,000,000,000,000  \$69 108 109 109 109 109 109 109 109 109 109 109	Dish Network System Dishpro Ez-hotar Ez-hotar Ez-hotar Ez-hotar Ez-hotar GE General Instrument GOI Hitachi HITS Hinghes Hinghes Network Systems Jevold JVC Legend Magnavox Memorex Milisabishi Mottorela Next Level	854, 685, 686, 6875 835, 666, 1698 835, 666, 1698 836, 169, 185, 1696, 1898 836, 187, 185, 1696, 1898 832, 1859 834, 1854, 1856 834, 1854, 1856 835, 1858, 1858 837 838, 1854, 1858 839 831, 1854, 1856 831 832 833, 1854, 1858 831 833, 1834 834 835, 1838 834 835, 1838 834 835, 1838 835	Drewn Earswa Fasti GE GABST GA	001 107, 103, 636, 629 404 1001 1001 1001 1025, 604 1025, 607 1001 1025, 606 1027 103, 602, 607, 602, 604, 605 1017 103, 602, 607, 602, 604, 605 1017 103, 602, 607, 602, 604, 605 1017 103, 602, 607, 602, 604, 605 1017 103, 602, 607, 602, 604, 605 1017 103, 602, 602, 602, 603, 604 103, 603, 604 103, 603, 604 103, 603, 604	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Curis Mathes CXC Daesso Dayton Dayton Dayton Del Denon Dumont Derabrand Dumont Electroband Electroband Electroband Electroband Electroband Flektra Eamerson Eavision EXA Fisher Rev Vision Futuretech CE Güranler	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 635  N.S. 6006, 6004, 6004, 6012, 6014, 6016, 6017, 6019, 622, 6304, 635  N.S. 6006, 6015, 6304, 6022, 634  N.S. 6006, 6015, 6304, 6022, 634  N.S. 6006, 6015, 6024, 6025, 6031, 663  N.S. 6006, 6019, 6023, 6024, 6025, 6027, 6034, 6031, 602  1001  101  102  104  105  105  105  105  105  105  105	Orion Pannonic Penney Philio Philips Pilet Philips Pilet Polaroid Prima Princeton Princeton Princeton Princeton Proton Polaroid Reaco Quasar Redishack RCA Realistic Ranco Sampon Samsung Samsunt Sansusi	27, 631  180, 628, 623, 609, 100  102, 035, 066, 072, 008, 009, 010, 014, 023, 024, 022, 066  102, 035, 066, 012  122, 628, 609  105, 066, 018  122, 628, 609  105, 066, 018  123, 628, 629, 73, 73, 70, 000, 003, 002, 003, 005, 104, 105, 006  104, 105, 068, 088  123, 628, 628, 73, 737, 079, 000, 003, 002, 003, 005, 104, 105, 006  104, 105, 068, 078, 078, 078, 078, 078, 078, 078, 07	Citizen ClearMax Coolmax Director Semesson Everquest Garrard GC Electronics General Instrument Sc GoldStar Goodmind Jasco Jeroud Memorex	044   044   044   044   045	AMMW Amphion Media Works Anam Apex Digital Array Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic California Andio Labs Celestial Cine Vision Cine Vision	40 071477.092,001,003,50 0103 123 123 177,522,153 152,153, 165,186 1977 1976 1976 1976 1976 1976 1976 197	Paligo Fanolbic Fanol	\$56,062,079,072,095,116,117,139,135,141,159,191,163,163,16 \$175,188,189 106 \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Ez-hotar Ez-hotar Ez-hotar Ez-hotar Ez-hotar GE General Instrument GOI Hitachi HITS Hinghes Hinghes Network Systems Jevold JVC Legend Magnavox Memorex Milisabishi Mottorela Next Level	854, 485, 686, 4877  825, 660, 189  826, 180, 180, 180, 180  824, 1829  824  825  829  825  829  825  829  825  829  825  829  825  829  825  829  825  829  825  829  826  827  827  829  829  829  820  820  820  821  821  822  823  824  825  826  827  827  828  829  829  820  820  820  821  821  822  823  824  825  826  827  827  828  829  829  820  820  820  820  820	Dieseo Deservo	001 107, 131, 136, 139 144 1001 1001 1001 1025, 404 1001 1025, 405 107 1001 1025, 406 1025, 407 103, 402, 404, 404 1031 1031 1031, 402, 404, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 403, 404 1031, 4031, 403, 404 1031, 4031, 4031, 4031 1031, 4031, 4031	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 101, 102, 103 103 103 103 103 103 103 103 103 103
Curis Mathes  CXC  Daesto  Dayton  Dayton  Del  Denon  Dumont  Derabrand  Dumot  Electroband  El	NS, 506, 500, 609, 612, 613, 614, 616, 617, 619, 622, 630, 638 421, 609, 608 185, 500, 615, 630, 622, 624 185 185 187 187 188, 406 189 189 189 189 189 189 189 189 189 189	Orion Pansonic Pensoy Philips Philips Pilot Philips Pilot Prima Princorn Princorn Princorn Princorn Princorn Princorn Princorn Proscar Product Oussur RadioShack RCA RCA RRAG Samop Samop Samop Samoux Samou Samoux Samou Samoux Samou Samoux Sa	27, 631 1910, 228, 528, 509, 100 102, 005, 006, 007, 008, 009, 010, 014, 102, 102, 102, 102, 106 102, 005, 006, 007 112, 105, 609 105, 006, 008 122, 105, 609 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008, 008, 008, 008, 008, 005, 104, 105, 008 104, 046, 002, 003 109, 041, 068, 008, 008, 008, 008, 008, 008, 008	Citizen ClearMax Coolmax Director Emerson Everquest Garrard GC Electronics General Instrument GoldStar Goodmind JASCO Jerodd Memorex Motorda	144	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic California Audio Labs Celestial Centrex Cinca Cinc Vision Cine Vision Cine Vision	40   171,077,092,101,103,150   1013   123   123   123   124   125	Paligo Fanolbie Fanol	\$56,063,079,072,095,116,117,139,135,141,158,159,161,163,168,16 106  \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Echostar Echostar Echostar Echostar Echreswu GE General Instrument GOI Hitachi HTS Hughes Network Systems Jevold VC Legend Maganya Memoret Mitsubshi Motorela Nett Level Panasonic Paysat Palijis Fenoer Prosean	854, 465, 664, 877  815, 664, 169  815, 674, 169  815, 674, 169  815, 674, 169  815, 674, 169  814  815  819  815  819  815  814  815, 685  814  815, 685  815  817  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818, 683  818  818  818  818  818  818  818	Dieseo Deservo	801 107, 431, 456, 409 1017, 431, 436, 409 1011 1011 1022, 437 1011 1022, 437 1011 1023, 436 1023, 437, 442, 444, 485 1017 1013, 422, 437, 442, 444, 485 1017 1013, 422, 445, 445 1017 1013, 422, 445, 445 1017 1013, 422, 445, 445 1017 1013, 422, 445, 445 1017, 435, 444 1013, 456, 442 1010, 437 101	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	NO 150 106, 611, 102 102 102 103, 615, 615 102 103, 615, 615 103 103, 615, 615 103, 615, 615 103, 615
Curis Mathes  CXC  Daewso  Dayton  Del Del Denon  Dumont  Dumont  Derabrand  Divin  Electroband  Electroband  Electroband  Electroband  Erision  Envision  Existin  Envision  Existin  Futurefech  GE  Gibraiter  GoddStar  Gorunpy  Haier	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 635  N.S. 6006, 6004, 6004, 6012, 6014, 6016, 6017, 6019, 622, 6304, 635  N.S. 6006, 6015, 6304, 6022, 634  N.S. 6006, 6015, 6304, 6022, 634  N.S. 6006, 6015, 6024, 6025, 6031, 663  N.S. 6006, 6019, 6023, 6024, 6025, 6027, 6034, 6031, 602  1001  101  102  104  105  105  105  105  105  105  105	Orion Pannonic Penney Philio Philips Pilet Philips Pilet Polaroid Prima Princeton Princeton Princeton Princeton Proton Polaroid Reacon Sampon Samsung Samsuni	27, 631 1910, 228, 528, 509, 100 102, 005, 006, 007, 008, 009, 010, 014, 102, 102, 102, 102, 106 102, 005, 006, 007 112, 105, 609 105, 006, 008 122, 105, 609 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 008, 008, 008, 008, 008, 005, 104, 105, 008 104, 046, 002, 003 109, 041, 068, 008, 008, 008, 008, 008, 008, 008	Citizen ClearMax Coolmax Director Semesson Everquest Garrard GC Electronics General Instrument Sc GoldStar Goodmind Jasco Jeroud Memorex	044   044   044   044   045	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital California Addio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine go	440 171.077.092.101.103.150 103 123 177.52.153 153.153.185.186 177 165 172 175 185 187 198 199 199 199 190 192	Palips Fanolise Fanolise Fanolise Fanore Fan	\$56,062,079,072,095,116,117,139,135,141,150,159,161,163,160,16 106  \$60,000,000,000,000,000,000  \$61,000,000,000,000,000  \$61,000,000,000,000,000  \$69 108 109 109 109 109 109 109 109 109 109 109	Dish Network System Bishpor Echostar Expressiva GE General Instrument GOI Bitachi Hirs Hingles Hughes Network Systems Jovald JVC Legend Maganwa Memorex Mitoshibi Motoroda VextLevel Panasonic Paysat Paysit Pinneer	854, 465, 664, 675  825, 660, 169  825, 660, 169  826, 169, 165, 160, 169  821, 169  822  823  824, 165, 165  824, 165  825  825, 165  826  827  828, 165  829  829  829  825  824, 165  826  827  827, 163  828  828  829  829  820  821  821  822  823  824  825  826  827  827  828  829  829  820  820  821  822  823  824  825  826  827  828  829  829  820  820  821  821  822  823  824  825  826  827  828  828  828  829  820  821  822  823  824  825  826  826  827  827  828  828  829  829  820  820  820  820	Dieseo Di	001 107, 131, 136, 139 104 1001 1001 1001 1025, 046 1025, 047 1001 1025, 046 1025, 046 1027 103, 022, 037, 042, 044, 045 107 103, 022, 037, 042, 044, 045 107 103, 032, 045 107 103, 046, 047 103, 048, 048 103, 036, 048 103, 036, 048 103, 036, 048 103, 036, 048 103, 036, 049 103, 037 103, 044	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 00, 611, 102 102 103, 611, 102 103 103 103 103 103 103 103 103 103 103
Curis Mathes CXC Darwo Daytron Del Del Denote Denote Denote Denote Detroband Dictroband	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orion Pansonic Penney Philip Philip Philip Philip Philo Philips Pitat Polaroid Prissa	27, 631  191, 628, 638, 699, 100  102, 005, 006, 007, 008, 009, 010, 014, 102, 102, 102, 102, 106  102, 005, 006, 007  112, 036, 009  105, 006, 008  122, 036, 009  105, 006, 008  105, 006, 008  105, 006, 008  105, 006, 008  107, 006, 008, 008, 008, 008, 008, 008, 008	Citizen ClearMax Coolmax Director Emerson Everquest Garrard GC Electronics General Instrument GoldStar Goodmind JASCO Jerodd Memorex Motorda	044   044   044   044   045	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Adoiro X Axion Blaupunkt Blue Parade Blue Sky Broksonic Californic Audio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cinego	40   171,077,092,101,103,150   1013   123   123   123   124   125	Paligo Fanolise Fanoter Palerer Palerer Palerer Palerer Palerer Palerer Palerer Paresa Proceed	\$56,063,079,072,095,116,117,139,135,141,158,159,161,163,168,16 106  \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Echostar Echostar Expressiv GE General Instrument GOI Bilitabi HTS Hughes Network Systems Jevald JVC Legend Maganwa Memorex Vilendshish Motorola VextLevel Panasonic Payast Pinter Presena RadinShack RCA	854, 685, 68, 687   835, 664, 169   835, 664, 169   836, 181, 185, 1664, 169   836, 181, 185, 1664, 169   837, 182, 183, 184, 185   838, 183, 183, 183, 183, 183, 183, 183,	Dieseo Di	001 107, (31, 65, 609 104 1001 1001 1001 1002, 837 1001 1025, 846 103, 807, 807, 802, 804, 845 107 103, 802, 807, 802, 804, 845 107 103, 802, 803, 804, 805 107 103, 802, 803, 804, 805 107, 803, 804 103, 803, 804 103, 803, 804 103, 803, 804 103, 803, 804 103, 803, 804 103, 803, 809 1055	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 00, 611, 102 102 103, 611, 102 103 103 103 103 103 103 103 103 103 103
Curis Mathes CXC Daevoso Daytron Del Del Denon Dumont Dumont Del Decroband Del Electrobund Electrobund Electrobune Electros Envision Existin Enros Enros Envision Existin Fisher	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orion Pansonic Penney Philip Philip Philip Philip Plate Polareid Princer	27, 631 190, 628, 623, 699, 109 102, 105, 106, 007, 108, 009, 1018, 102, 102, 102, 102, 106 102, 105, 106, 007, 108, 109, 1018, 1014, 102, 102, 102, 102, 106 102, 106, 106, 106 103, 106, 106 104, 106, 106 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 106, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108, 108, 108, 108, 108, 108, 108, 108	Citizen ClearMax Coolmax Director Semerson Everquest Carrard GC Electronics General Instrument SoldStar Goodmind Jasco Jernold Memorex Motorida Multitech	044   044   044   044   045	AMMW Amphion Media Works Anam Apex Digital Arrsp Aspire Digital Arsp Aspire Digital Aspire Digital Aspire Digital Aspire Digital Aspire Digital Aspire Digital Biaupunkt Biae Parade Bibe Sky Breksonic California Audio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine Vision Cine Cyberthome	440 171.077.092.101.103.150 103 123 177.52.153 153.153.185.186 177 165 172 175 185 187 198 199 199 199 190 192	Palips Panolise Panolise Panolise Panolise Panolise Panolise Panolise Panolise Proced Proced Proced Proced Proced Proced Radionette Re	\$56,063,079,072,095,116,117,139,135,141,158,159,161,163,168,16 106  \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Dishpro Echostar Echostar Echostar Echostar Echreswu GE General Instrument GOI Hitachi HTS Hughes Network Systems Jevold VC Legend Maganya Memoret Mitsubshi Motorela Nett Level Panasonic Paysat Palijis Fenoer Prosean	854, 465, 664, 675  825, 660, 169  825, 660, 169  826, 169, 165, 160, 169  821, 169  822  823  824, 165, 165  824, 165  825  825, 165  826  827  828, 165  829  829  829  825  824, 165  826  827  827, 163  828  828  829  829  820  821  821  822  823  824  825  826  827  827  828  829  829  820  820  821  822  823  824  825  826  827  828  829  829  820  820  821  821  822  823  824  825  826  827  828  828  828  829  820  821  822  823  824  825  826  826  827  827  828  828  829  829  820  820  820  820	Dresso  Enerson  Enerson  Galdar  Galdar  Hardy Devideos  Hindis  Log  Log  Maganosi  Maganosi  Maganosi  Maganosi  Moneres  MACA  Maganosi  Magan	001 107, (3, 16, 6, 69) 44 1001 1001 1001 1002, 847 1001 1002, 847 1001 1002, 848 1001 1002, 848 1001 1003 1003 1004 1004 1005 1007 1007 1007 1007 1007 1007 1007	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 00, 611, 102 102 103, 611, 102 103 103 103 103 103 103 103 103 103 103
Carris Mathes CXC Daesso Daytron Del Del Del Deson Dumott Durahezard Destrohand Electrohand Electrohand Electrohand Electrohand Electrohand Electrohand Electrohand Carrison Electrohand E	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orinn Pansonic Penney Philips Philips Pilic Philips Pilic Pinneer Pedaroid Prima Princeton Prison Prison Prison Prison Prison Prison Radishack Radishack Radishack Rasissis Sampo Samsung Sams	27, 631  191, 628, 638, 699, 100  102, 005, 006, 007, 008, 009, 010, 014, 102, 102, 102, 102, 106  102, 005, 006, 007  112, 036, 009  105, 006, 008  122, 036, 009  105, 006, 008  105, 006, 008  105, 006, 008  105, 006, 008  107, 006, 008, 008, 008, 008, 008, 008, 008	Citizen ClearMax Coolmax Director Smerson Everquest Carrant Got Electronics General Instrument GoldStar Goodmind Jasco Jerrold Memorex Motorola Multitech Optimus Pace	044 044 045 025 037 044 049 049 059 040, 637 040, 637 040, 638 043 043 040 040, 638, 648, 648 040 040, 638, 648, 668 041 048, 647, 688	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital California Addio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine Vision Cinego CyberHome	440 171.077.092.01.103.150 213 223 177.52.153 152.153, 105.106 177 176 165 172 175 165 165 102 195 100 100 122 188.099,102.105.106.111	Palips Fanolise Fanolise Fanolise Fanore Fan	\$56,063,079,072,095,116,117,139,135,141,158,159,161,163,168,16 106  \$60,060,060,060,061,061  \$61,050,060,060,060,060,060,060,060,060,060	Dish Network System Dishpro Echostar Echostar Echostar Expressiv GE General instrument GOI Bitachi HTS Hughes Network Systems Jevold Auganva Menorex Mitsahihi Motorola Vest Leeel Panasonic Payst Philips Pinner Proner Proner Proner Proner Proner RadioShack RCA Realistic	854, 855, 666, 867   835, 860   835, 860   836, 861, 953   836, 862, 864, 869   837, 862   838, 863   839   835   834   835   835   836   834   836, 864   835   837   838   838   838   839   830   831   831   832   833   834   834   844   845   842   842   843   844   845   845   846   847   848   8	Dieseo Di	001 107, 131, 136, 139 104 1001 1001 1001 1025, 046 1025, 047 1001 1025, 046 1025, 046 1027 103, 022, 037, 042, 044, 045 107 103, 022, 037, 042, 044, 045 107 103, 032, 045 107 103, 046, 047 103, 048, 048 103, 036, 048 103, 036, 048 103, 036, 048 103, 036, 048 103, 036, 049 103, 037 103, 044	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 00, 611, 102 102 103, 611, 102 103 103 103 103 103 103 103 103 103 103
Curis Mathes  CXC  Daewso  Dayton  Del Del Del Denon  Dumott  Durabrand  Deroband  Electroband  Electroband  Electroband  Electroband  Erission  Erission  Erission  Final  Futuretech  GE  Goldstare  Graupy  Haire  Hallmark  Harrus Mardon  Harrand	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orion Pansonic Penney Philip Philip Philip Philip Plate Polareid Princer	27, 631 190, 628, 623, 699, 109 102, 105, 106, 007, 108, 009, 1018, 102, 102, 102, 102, 106 102, 105, 106, 007, 108, 109, 1018, 1014, 102, 102, 102, 102, 106 102, 106, 106, 106 103, 106, 106 104, 106, 106 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 106, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108, 108, 108, 108, 108, 108, 108, 108	Citizen ClearMax Coolmax Director Smerson Everquest Carrard GC Electronics General Instrument GoldStar Goodmind Jasco Jerrold Memorex Motorola Multitech Optimus Pace Panasonic	044	AMMW Amphion Media Works Anam Apex Digital Arrsp Aspire Digital Arsp Aspire Digital Aspire Digital Aspire Digital Aspire Digital Aspire Digital Aspire Digital Biaupunkt Biae Parade Bibe Sky Breksonic California Audio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine Vision Cine Cyberthome Daestoo	440 171.077.092.01.103.150 213 223 177.52.153 152.153, 105.106 177 176 165 172 175 165 165 102 195 100 100 122 188.099,102.105.106.111	Paligo Fanolbie Fanol	\$5,063,070,072,095,116,117,139,135,141,158,159,161,163,168,16 186 180,080,080,081,081,44 180,1291,818,155 183 172,553,557 171 189 189 184 185 185 186 187 187 187 189 189 189 189 189 189 189 189 189 189	Dish Network System Dishprov Echostar Echostar Echostar Echostar Expressiva GE General instrument GOI Bitachi HTS Hughes Hughes Network Systems Jevold Magazava Memorex Minushishi Motoroid Next Level Panasonic Paysat Philips Pinoner Procan Radiolishick ReA Reafistic Sanssung SNY Sony	854, 465, 66, 467  103, 560, 169  103, 560  104, 509, 55, 660, 169  105  104, 609  105  104  105  105  104  105  105  104  105  105	Diewo Earram Fauti GZ Fauti GZ Falaby Fauti GZ Falaby Fala	801 107, 431, 456, 409 147, 431, 436, 409 1401 1001 1001 1022, 437 1001 1025, 446 1025, 446 1027, 447, 442, 444, 445 1017 1018, 422, 437, 442, 444, 445 1017 1018, 422, 437, 442, 444, 445 1017 1018, 427, 447, 445 1018, 431, 436, 441 1018, 431, 436, 442 1018, 431, 436, 442 1018, 437 1018, 438, 441 1018, 438, 442 1018, 437 1018, 438, 442 1018, 438, 444 1018, 438, 444 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 00, 611, 102 102 103, 611, 102 103 103 103 103 103 103 103 103 103 103
Carris Mathes CXC Daesso Daytron Del Del Del Deson Dumott Durahezard Destrohand Electrohand Electrohand Electrohand Electrohand Electrohand Electrohand Electrohand Carrison Electrohand E	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orinn Panasonic Penney Pillico Philips Pillico Philips Pillico Pillico Pinneer Pedaroid Prima Princen Priscon Priscon Priscon Proton Proton Proton Proton Proton Proton Sunsar RadioShack RCA RCA RCA Ranco Samung Samsung Sam	27, 631 190, 628, 623, 699, 109 102, 105, 106, 007, 108, 009, 1018, 102, 102, 102, 102, 106 102, 105, 106, 007, 108, 109, 1018, 1014, 102, 102, 102, 102, 106 102, 106, 106, 106 103, 106, 106 104, 106, 106 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 106, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108, 108, 108, 108, 108, 108, 108, 108	Citizen ClearMax Coolmax Director Emerson Everquest Cortain Condition Condit	044 044 044 025 027 084 089 084, 037 084, 037 084, 037, 030, 025, 038 037 044, 014, 022 044, 014, 025, 038 081 001, 025, 038, 044, 053 044 085 003, 047, 058 001, 045, 011	AMMW Amphion Media Works Anam Apex Digital Arrsp Aspire Digital Andiovox Axion Blaupunkt Blue Parade Bue Sky Broksonic California Audio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine Querrino Cine Querrino Cine Sperion Denson Denson Densor	440 171.077.092.01.103.150 213 223 177.52.153 152.153, 105.106 177 176 165 172 175 165 165 102 195 100 100 122 188.099,102.105.106.111	Palips Fanalbie Fanal	\$5,063,070,072,095,116,117,139,135,141,158,159,161,163,168,16 186 180,080,080,081,081,44 180,1291,818,155 183 172,553,557 171 189 189 184 185 185 186 187 187 187 189 189 189 189 189 189 189 189 189 189	Dish Network System Dishpro Edustar Edustar Edustar EEperssys GE General Instrument GOI Bitachi HTS Hughes Hughes Network Systems Jovoid Jovoid Microbi Microbi Microbi Microbi Paysat Pansonic Paysat Pallips Ploncer Proscan RadioShack RCA Realinfe Sumung	854, 485, 686, 4875  825, 686, 189  826, 586, 189  826, 189, 185, 186, 189  821, 1879  822, 1879  823, 1854, 1856  824, 1854, 1856  825, 1854, 1856  826, 1854, 1856  827, 1858  828, 1854, 1856  828, 1854, 1856  829  820, 1854, 1856  821, 1858  821, 1858  822, 1833  8319, 1833  8310, 1832, 1833, 1834, 1839, 1847, 1849, 1854, 1856  824, 1859  825, 1859  827, 1859, 1859  828, 1859, 1859  829, 1859  821, 1859, 1859  821, 1859, 1859  822, 1859  823, 1859, 1859  824, 1859  825, 1859  826, 1859  827, 1859, 1859, 1847, 1849, 1854, 1856  824, 1859  826, 1859, 1859, 1847, 1849, 1847, 1849, 1854, 1856  824, 1859  826, 1859, 1859, 1847, 1849, 1847, 1849, 1854, 1856  824, 1859, 1859, 1847, 1849, 1847, 1849, 1854, 1856  824, 1859, 1859, 1849, 1847, 1849, 1845, 1856  826, 1859, 1859, 1859, 1847, 1849, 1845, 1856  826, 1859, 1859, 1859, 1847, 1849, 1845, 1856  826, 1859, 1859, 1859, 1847, 1849, 1845, 1856  826, 1859, 1859, 1859, 1847, 1849, 1845, 1856  826, 1859, 1859, 1859, 1859, 1847, 1849, 1854, 1856  826, 1859,	Diesto Di	001 107, (3, 16, 6, 69) 44 1001 1001 1001 1002, 847 1001 1002, 847 1001 1002, 848 1001 1002, 848 1001 1003 1003 1004 1004 1005 1007 1007 1007 1007 1007 1007 1007	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 100, 611, 102 100, 611, 102 100, 611, 102 100, 105, 618 100 100, 619, 617, 611, 616, 639
Curis Mathes CXC Daewoo Dayton Del Dayton Del Del Denon Dumott Denon Dumott Devin Del Electrobone Electrobone Electros Eneron Envision Envision GE Carviller Galoktar GE Grangy Haier Hallmark Harley Davidson Harman Kardon Harmark Harnark H	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orion Pansonic Pensey Philo Philips Philo Philips Plate Poharoid Princeton P	27, 631 1910, 628, 623, 699, 100 102, 005, 006, 007, 008, 009, 010, 014, 102, 024, 042, 066 102, 005, 006, 008 121, 035, 009 105, 006, 008 102, 015, 015, 017, 017, 019, 011, 012, 013, 014, 105, 008 105, 006, 008 105, 006, 008 105, 006, 008 105, 006, 007, 008, 001, 002, 003, 005, 104, 105, 009 106, 006, 008, 008, 008 107 1090, 441, 005, 008 100, 007, 008, 001, 001, 002, 003, 005, 104, 105, 009 1000, 441, 005, 008 1000, 007, 008, 001, 009, 001, 001, 002, 003, 005, 104, 105, 009 1000, 006, 007, 008, 001, 001, 001, 002, 002, 002, 002, 009 1000, 006, 007, 008, 001, 009, 001, 002, 002, 002, 009, 009 1000, 006, 007, 008, 001, 009, 001, 002, 002, 002, 009, 009 1000, 006, 007, 008, 001, 009, 001, 002, 002, 002, 009, 009 1000, 006, 007, 008, 001, 009, 001, 002, 002, 003, 009, 009, 102 1000, 006, 007, 008 101, 008 101, 008 101, 008 101, 007 101, 008 101, 008 101, 008 101, 008 101, 008 101, 008 10	Citizen ClearMax Coolmax Director Emerson Everquest Carrard OC Electronics General Instrument GoldStar Gondmind Jasco Jerrold Memorex Motorola Multitech Optimus Paragon Philips	044 044 044 045 025 037 044 049 049 049 040 040 040 040 040 040	AMMW Amphion Media Works Anam Apex Digital Arryo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic California Audio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine (Cyberthome Daesnoo Denon Denor Desver	440 171.077.092.01.103.150 203 223 177.152.153 152.153, 185.186 177 77 175 175 175 175 175 175 175 175	Paligo Fanalbie Fanal	\$56,062,079,072,095,116,117,139,135,141,150,193,161,163,160,16 106  \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Bishpor Echostar Expressiva GE General Instrument GOI Bitachi Hirs Hinghes Hughes Network Systems Jovad JVC Legend Maganwa Memorex Miesabshi Motorola Next Level Panasonic Paysat Pining Fineer Prescan RadioShack RCA Realisic SAC Samsung SNY Sany Saur Choice Tivo	854, 685, 686, 6875 835, 686, 189 816, 1819, 185, 586, 189 816, 1819, 185, 586, 189 816, 1819, 185, 586, 189 816, 1819, 185, 586, 189 812, 182 825 824, 182 825 824, 185, 186 824 825, 186 827 826, 187 827 827, 183 828 828 829 829 820, 183 820 820, 183 820 821, 183 821 822 823 824 824 825, 183 826 827 827 828, 183 828 828 829 820, 183 820 820 820 820 820 820 820 820 820 820	Dieseo Di	001 107, (3, 6, 6, 09) 101 1001 1001 1001 1002, (87, 6, 6, 9) 1001 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1002, (87, 6, 9) 1003, (87, 6, 9) 1003, (87, 6, 9) 1004, (87, 9) 1005, (84, 9) 1005, (84, 9) 1005, (84, 9) 1006, (84, 9) 1007, (84, 9) 1007, (84, 9) 1007, (84, 9) 1008, (84, 9) 1009, (84, 9) 10	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 100, 611, 102 100, 611, 102 100, 611, 102 100, 105, 618 100 100, 619, 617, 611, 616, 639
Caris Mathes CXC Daction Daytron Dell Dell Deson Damont Demont Demont Demont Demont Deterobance Elektra Encroson Envision Extra Encroson Extra Encroson Extra Encroson Extra Encroson Extra Encroson Extra Encroson Extra Entra Entr	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orinn Panasonic Penney Pillico Philips Pillico Philips Pillico Pillico Pinneer Pedaroid Prima Princen Priscon Priscon Priscon Proton Proton Proton Proton Proton Proton Sunsar RadioShack RCA RCA RCA Ranco Samung Samsung Sam	27, 631 190, 628, 623, 699, 109 102, 105, 106, 007, 108, 009, 1018, 102, 102, 102, 102, 106 102, 105, 106, 007, 108, 109, 1018, 1014, 102, 102, 102, 102, 106 102, 106, 106, 106 103, 106, 106 104, 106, 106 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 105, 106, 108 106, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108 108, 107, 108, 108, 108, 108, 108, 108, 108, 108	Citizen ClearMax Coolmax Coolmax Director Exerquest Carrard OC Electronics General Instrument GoldStar Gondmind Jasco Jernol Munitech Optimus Pace Pansonic Pargon	044 044 044 025 027 084 089 084, 037 084, 037 084, 037, 030, 025, 038 037 044, 014, 022 044, 014, 025, 038 081 001, 025, 038, 044, 053 044 085 003, 047, 058 001, 045, 011	AMMW Amphion Media Works Anam Apex Digital Arryo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic California Audio Labs Celestial Cinea Cine Vision Cine Qion Cine Vision Cine Qion Cine Vision Cine Sperification Cine Spe	40	Palips Panolbic Panol	\$56,063,079,072,095,116,117,139,135,141,158,193,161,163,168,16 106  \$60,060,050,051,44  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$84,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,158,158,158,158,158,158,158,158,158	Dish Network System Dishpro Echostar Echostar Echostar Expressiva GE General instrument GOI Bitachi HTS Hughes Network Systems Jevold Maganvas Menorex Mitsubibhi Motoroba Vext Level Panasonic Paysat Philips Proncer Proncar RadioSaback ReCA Realistic Samsung Sar Choice Too Too Too Too Too Too Too Too Too To	854, 465, 665, 467  835, 666, 169  835, 666, 169  836, 169, 165, 566, 169  837, 169  838, 169, 165, 169, 169  838, 164, 165, 165, 165, 165, 165, 165  834, 169, 165, 165, 165, 165, 165, 165  834, 160, 160, 160, 165, 165, 165, 165  834, 161, 162  835, 163  836, 162, 163, 164, 165, 165, 165, 165  836, 169  837, 163  838, 164  839, 163  830, 162, 163, 164, 165, 165, 165, 165  834, 169  838, 169  839, 165  842  841  839, 165  842  842  843, 165, 165, 165, 165, 165  844	Diesto Diesto De Carron De	001 107, (3, 6, 6, 09) 101 1001 1001 1001 1002, (87, 6, 6, 9) 1001 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1002, (87, 6, 9) 1003, (87, 6, 9) 1003, (87, 6, 9) 1004, (87, 9) 1005, (84, 9) 1005, (84, 9) 1005, (84, 9) 1006, (84, 9) 1007, (84, 9) 1007, (84, 9) 1007, (84, 9) 1008, (84, 9) 1009, (84, 9) 10	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 100, 611, 102 100, 611, 102 100, 611, 102 100, 105, 618 100 100, 618, 618, 618, 618 100 100, 618, 618, 618, 618
Caris Mathes CXC Daewo Daytron Del Del Del Denon Demont Demont Demont Demont Demont Dectroband Discretion Dectroband Electroband Electroband Electroband Electroband Electroband Electroband Envision Existing Exi	NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 615, 630, 612, 630, 622, 634  NS  NS, 506, 615, 630, 612, 630, 632  NS, 506, 615, 630, 632  NS, 506, 616, 632  NS, 506, 607, 624, 632, 634, 637, 630, 631, 632  NS, 506, 607, 624, 634, 635, 636  NS, 506, 607, 624, 639, 630, 638, 638, 638  NS, 506, 607, 624, 639, 630, 638, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639  NS,	Orion Pansonic Penney Philip Philip Philip Philip Plid Philip Pilot Polareir Polarei	27, 631  180, 626, 623, 609, 100  102, 035, 606, 072, 005, 009, 1010, 014, 102, 102, 102, 102, 106  102, 035, 606, 012  122, 625, 609  105, 606, 608  122, 625, 609  105, 606, 608  122, 625, 609  105, 606, 608  123, 625, 609  105, 606, 607  107, 6	Citizen ClearMax Coolmax Director Emerson Everquest Carrard OC Electronics General Instrument GoldStar Gondmind Jasco Jerrold Memorex Motorola Multitech Optimus Paragon Philips	044 044 044 045 025 037 044 049 049 049 040 040 040 040 040 040	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic California Audio Labs Celestial Centrex Cinca Cinc Vision Cinc Vision Cinc Pision Cinc SyberHome Daemoo Daemoo Daever Dessy DigitalMax Digitrex	440 171.077.092.101.103.150 103 123 123 177.152.153 152.153, 185.186 177 165 172 105 165 102 109 109 109 109 109 109 109 109 109 109	Paligo Fanalbie Fanal	\$56,062,079,072,095,116,117,139,135,141,150,193,161,163,160,16 106  \$60,000,000,000,000,000,000,000,000,000,	Dish Network System Bishpor Echostar Expressiva GE General Instrument GOI Bitachi Hirs Hinghes Hughes Network Systems Jovad JVC Legend Maganwa Memorex Miesabshi Motorola Next Level Panasonic Paysat Pining Fineer Prescan RadioShack RCA Realisic SAC Samsung SNY Sany Saur Choice Tivo	854, 685, 686, 6875 835, 686, 189 816, 1819, 185, 586, 189 816, 1819, 185, 586, 189 816, 1819, 185, 586, 189 816, 1819, 185, 586, 189 812, 182 825 824, 182 825 824, 185, 186 824 825, 186 827 826, 187 827 827, 183 828 828 829 829 820, 183 820 820, 183 820 821, 183 821 822 823 824 824 825, 183 826 827 827 828, 183 828 828 829 820, 183 820 820 820 820 820 820 820 820 820 820	Diesto Di	001 107, (3, 6, 6, 09) 101 1001 1001 1001 1002, (87, 6, 6, 9) 1001 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1001 1002, (87, 6, 9) 1002, (87, 6, 9) 1003, (87, 6, 9) 1003, (87, 6, 9) 1004, (87, 9) 1005, (84, 9) 1005, (84, 9) 1005, (84, 9) 1006, (84, 9) 1007, (84, 9) 1007, (84, 9) 1007, (84, 9) 1008, (84, 9) 1009, (84, 9) 10	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 100, 611, 102 100, 611, 102 100, 611, 102 100, 105, 618 100 100, 618, 618, 618, 618 100 100, 618, 618, 618, 618
Caris Mathes  CXC  Daewo  Dayton  Dell  Dell  Deson  Dumat  Dernbrand  Diria  Dectroband  Electroband  Electr	N.S. 606, 6004, 6012, 6012, 6014, 6016, 6017, 6019, 622, 6304, 633 442, 600, 6006 615, 6004, 6012, 6024, 6024, 6024 615 617 617 618 619 619 619 619 619 619 619 619 619 619	Orion Pansonic Penney Philo Philip Philo Philip Philo Philo Philip Priss Polarvid Priss Prisceton Prisceto	27, 631  180, 626, 623, 699, 100  1812, 606, 602, 607, 608, 609, 610, 614, 623, 624, 642, 666  1812, 606, 6012  1812, 606, 6012  1812, 606, 6012  1812, 606, 6012  1812, 605, 606  1812, 605, 606, 6012  1813, 606, 6012  1814, 605, 606, 6012  1819  1819, 601, 6014  1819  1819, 6014, 6014, 6014, 6014, 602, 605, 605, 104, 1161, 606  1810, 6014	Citizen ClearMax Coolmax Coolmax Director Exerquest Carrard Coclectronics Central Instrument Coolman Condition Condition Multitech Dyfinus Paragon Philips Finner	044 044 044 045 025 037 044 049 049 049 040 040 040 040 040 040	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Blue Parade Blue Sky Broksonic California Audio Labs Celestial Centrex Ginea Cine Vision Cine Vision Cine Vision Cine Vision Cine System Deswoo Deenon Deenon Deenor Deswy DigitalMax Digitrex Disney	40	Palips Panolbic Panol	\$56,063,079,072,095,116,117,139,135,141,158,193,161,163,168,16 106  \$60,060,050,051,44  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$84,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,158,158,158,158,158,158,158,158,158	Dish Network System Dishpore E-hostar E-hostar E-hostar E-hostar GE General Instrument GOI Bitachi HTS Hughes Hughes Network Systems Jevold Magnavax Memorex M	854, 865, 866, 867   835, 866, 189   835, 866, 189   836, 181, 182, 566, 189   836, 181, 182, 566, 189   832, 1829   832   833   834, 185, 185, 185   835, 1854, 185   834, 185, 185, 185   835, 1854, 185   834, 185, 185, 185   835, 1854   837, 183   838, 183, 183   839, 183, 183   831,	Dieseo Dieseo De Learson Saus La California Control De La California Co	801 107, 433, 454, 409 101 101 1023, 437 101 1023, 446 103, 405 104 105 105 105 107 103, 402, 407, 402, 444, 465 107 103, 402, 407, 402, 444, 465 107 103, 402, 407, 402, 445, 465 107 103, 402, 407, 402, 404, 405 101, 407 101, 408, 402, 405 101, 407 101, 408, 402 101, 407 107 107 107 108 108 108 109 109 109	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 100, 611, 102 100, 611, 102 100, 611, 102 100, 105, 618 100 100, 618, 618, 618, 618 100 100, 618, 618, 618, 618
Caris Mathes  CXC  Daewo  Daytron  Dell  Denon  Damont  Darkraad  Dwin  Electroband  Electroband  Electros  Electr	NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 615, 630, 612, 630, 622, 634  NS  NS, 506, 615, 630, 612, 630, 632  NS, 506, 615, 630, 632  NS, 506, 616, 632  NS, 506, 607, 624, 632, 634, 637, 630, 631, 632  NS, 506, 607, 624, 634, 635, 636  NS, 506, 607, 624, 639, 630, 638, 638, 638  NS, 506, 607, 624, 639, 630, 638, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639  NS,	Orion Pansonic Penney Philip Philip Philip Philip Plid Philip Pilot Polareir Polarei	27, 631  180, 626, 623, 609, 100  102, 035, 606, 072, 005, 009, 1010, 014, 102, 102, 102, 102, 106  102, 035, 606, 012  122, 625, 609  105, 606, 608  122, 625, 609  105, 606, 608  122, 625, 609  105, 606, 608  123, 625, 609  105, 606, 607  107, 6	Citizen ClearMax ClearMax Coolmax Director Semerson Everquest Garard GC Electronics General Instrument Goodmind Jasco Aeroud Memorex Motorola Multitech Optimus Pace Pansonic Paragun Philips Foncer Pulsar	044 044 044 045 025 037 004 014 059 004, 637 002, 630, 625, 638 013 037 004, 614, 622 002, 604, 605, 625, 638 001 001 004, 615, 625, 638 001 005 005, 605, 605, 605, 605 006, 605, 605, 605 006, 605, 605, 605 007, 605, 605 008, 607, 608 009, 605, 608 001 004, 605, 608 007, 608 008, 607, 608 009 001 004, 608, 601 001 004 005 005 006 007 007 007 007 007 007 007 007 007	AMMW Amphion Media Works Anam Apex Digital Array Aspire Digital Baupunkt Bine Parade Bine Sky Broksonic California Audio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine Vision Cine Vision Cine Vision Dessoo Denon Dessy Digital Max Digitrex Disney Divido	440 171.077.0912.01.1013.150 213 223 177.15.21,153 152.153, 105,106 177 166 172 175 165 102 195 100 100 122 1088.099,102,105,106,111 195,966,182,195,195,201,204,205,206,207 155 198 198 199 190 191 196 197 2,119 196	Palips Fandbie	\$56,063,079,072,095,116,117,139,135,141,158,193,161,163,168,16 106  \$60,060,050,051,44  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$84,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,158,158,158,158,158,158,158,158,158	Dish Network System Dishpor E-hostar E-hostar E-hostar E-hostar GE General Instrument GOI Hitachi HTS Hughes Hughes Network Systems Jevold Magasava Memoret Memoret Memoret Memoret Passania Hutchi Hotorela Next Level Passania Passania RadioShack RCA Realistic Sunsung ShY Sar Choice Tro Troolhiba Uniden	854, 465, 66, 467  835, 664, 169  835, 664, 169  836, 169, 165, 664, 169  837, 169  838, 169  839  835  834  839  835  834, 169, 168, 168  834, 169, 168, 169  837, 169  838, 169  839  831, 169  83	Dieseo Dieseo De Learner De Learn	801 107, 431, 456, 439 101 101 101 1023, 437 101 1023, 437 101 1023, 436 1023, 436 1024, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 1018, 422, 437, 442, 445, 485 1017 1018, 422, 434, 445 1018, 437, 444 1018, 438, 441 1018, 437 1018, 438, 441 1018, 437 1018, 438, 441 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	140 150 106, 611, 102 102 101, 125, 848 101 102, 909, 815, 817, 821, 836, 839
Curis Mathes  CXC  Daviso  Davison  Daytron  Del  Denon  Dumott  Denon  Dumott  Del  Decroband  Discription  Del  Electrobund  Electrobund  Electrobune  Electrobune  Electrobune  Grader  Grader  Favision  Existion  Favision  Existion  Favision  Existion  Existion  Favision  Existion  Favision  Existion  Favision  Existion  Favision  Existion  Favision  Existion  Favision  Favision  Existion  Favision  Existion  Favision  Favision  Favision  Favision  Existion  Favision  F	NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 615, 630, 612, 630, 622, 634  NS  NS, 506, 615, 630, 612, 630, 632  NS, 506, 615, 630, 632  NS, 506, 616, 632  NS, 506, 607, 624, 632, 634, 637, 630, 631, 632  NS, 506, 607, 624, 634, 635, 636  NS, 506, 607, 624, 639, 630, 638, 638, 638  NS, 506, 607, 624, 639, 630, 638, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639  NS,	Orion Pansonic Penney Pillo Philips Philip Philips Philo Philips Pillo Philips Prison	27, 631  180, 626, 623, 699, 100  1812, 606, 602, 607, 608, 609, 610, 614, 623, 624, 642, 666  1812, 606, 6012  1812, 606, 6012  1812, 606, 6012  1812, 606, 6012  1812, 605, 606  1812, 605, 606, 6012  1813, 606, 6012  1814, 605, 606, 6012  1819  1819, 601, 6014  1819  1819, 6014, 6014, 6014, 6014, 602, 605, 605, 104, 1161, 606  1810, 6014	Citizen ClearMax ClearMax Coolmax Director Semerson Everquest Garard OC Electronics General Instrument Goodmind Jasco Merrold Memorex Motorola Multitech Optimus Pace Panasonic Paragon Philips Foncer Pulsar RadioShack	044 044 044 045 025 037 044 049 049 049 040 040 040 040 040 040	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Baupunkt Bue Parade Bue Parade Bue Sky Broksonic California Andio Labs Celestial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine Vision Denve Deemo Denve Desay DigitalMax Digitars Disney Digitars Disney Doul	440 171.077.092.101.103.150 103 123 123 177.152.153 152.153, 185.186 177 165 172 105 165 102 109 109 109 109 109 109 109 109 109 109	Palips Panolbic Panol	\$56,063,079,072,095,116,117,139,135,141,158,193,161,163,168,16 106  \$60,060,050,051,44  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$84,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,158,158,158,158,158,158,158,158,158	Dish Network System Bishayo Echostar Expressiva GE General Instrument GOI Bitathi HTS Hinghes Hinghes Network Systems Jevald JVC Legend Magazava Memorex Jikushishi Motorola Vext Level Panssonic Paysat Pallips Pinneer Prescan RadioShack RCA Realistic SKY Sany Sar Choke Tro Inshibal Caidien Voom Cantrolubo pur DVD Caidien Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien Caidien para TV\/VR Comb	854, 485, 68, 487   835, 666, 189   835, 666, 189   836, 181, 185, 666, 189   836, 181, 185, 666, 189   837, 182, 183, 184, 189   838, 185, 185, 185   839, 185, 185   830, 185, 185   831, 185, 185   832, 185, 185   833, 185, 185   834, 185, 185   835, 185   837, 1833   838, 183, 183, 183, 183, 183, 183, 183,	Dieseo Dieseo De Learner De Learn	801 107, 433, 454, 409 101 101 1023, 437 101 1023, 446 103, 405 104 105 105 105 107 103, 402, 407, 402, 444, 465 107 103, 402, 407, 402, 444, 465 107 103, 402, 407, 402, 445, 465 107 103, 402, 407, 402, 404, 405 101, 407 101, 408, 402, 405 101, 407 101, 408, 402 101, 407 107 107 107 108 108 108 109 109 109	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	140 150 106, 611, 102 102 101, 125, 848 101 102, 909, 815, 817, 821, 836, 839
Curis Mathes CXC Daesso Dayson Dayson Dell Dell Desson Dumont Dumont Dumont Dell Desson Dumont Dell Desson Dumont Destroband Electroband Electroband Electrobane Elektra Emerson Envision Existin Fisher Flex San Fisher Flex San Final Fundad Harman Kardon	NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 615, 630, 612, 630, 622, 634  NS  NS, 506, 615, 630, 612, 630, 632  NS, 506, 615, 630, 632  NS, 506, 616, 632  NS, 506, 607, 624, 632, 634, 637, 630, 631, 632  NS, 506, 607, 624, 634, 635, 636  NS, 506, 607, 624, 639, 630, 638, 638, 638  NS, 506, 607, 624, 639, 630, 638, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639  NS,	Orion Pansonic Penney Philip Philip Philip Philip Philip Philip Ponner Polaroid Prina Prin	27, 631 1910, 258, 632, 609, 100 102, 103, 600, 607, 100, 609, 1010, 1014, 1024, 1024, 1024, 1026 102, 103, 600, 600 103, 600, 600 104, 600, 600 105, 600 105, 600	Citizen ClearMax ClearMax Coolmax Director Semerson Everquest Garrard GC Electronics General Instrument Goodnind Jasco Jerrold Memorex Motorola Multitech Optimus Pace Panasonic Parigon Philips Pincer Pulsar RadioShack RCA	044 044 044 045 025 037 004 014 059 004, 637 002, 630, 625, 638 013 037 004, 614, 622 002, 604, 605, 625, 638 001 001 004, 615, 625, 638 001 005 005, 605, 605, 605, 605 006, 605, 605, 605 006, 605, 605, 605 007, 605, 605 008, 607, 608 009, 605, 608 001 004, 605, 608 007, 608 008, 607, 608 009 001 004, 608, 601 001 004 005 005 006 007 007 007 007 007 007 007 007 007	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic Citelsial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine go CyberHome Daessor Deassor Deassor Deassor DigitalMax Digitrex Disary Diyilo Dual DVD2000	440 171.077.092.101.103.150 203 223 177.152.153 152.153, 105.106 177 175 165 172 175 185 200 199 190 192 185.099,102.105.106.111 193.098,182.195.195.105.206.207 185 198 199 195 190 192 193 194 195 197 2119 196 151.155 158	Palips Panolbic Panol	\$56,063,079,072,095,116,117,139,135,141,158,159,161,163,168,16 106  \$60,060,050,050,44  \$83,129,158,151,556  \$83,129,158,151,556  \$89  \$89  \$89,072,153,157  \$71  \$89  \$89  \$89  \$80,072,153,157  \$89  \$80  \$80,072,153,157  \$80  \$80  \$80  \$80  \$80  \$80  \$80  \$8	Dish Network System Dishpor E-hostar E-hostar E-hostar E-hostar GE General Instrument GOI Hitachi HTS Hughes Hughes Network Systems Jevold Magasava Memoret Memoret Memoret Memoret Passania Hutchi Hotorela Next Level Passania Passania RadioShack RCA Realistic Sunsung ShY Sar Choice Tro Troolhiba Uniden	854, 465, 66, 467  835, 664, 169  835, 664, 169  836, 169, 165, 664, 169  837, 169  838, 169  839  835  834  839  835  834, 169, 168, 168  834, 169, 168, 169  837, 169  838, 169  839  831, 169  83	Dieseo Dieseo De Learner De Learn	801 107, 431, 456, 439 101 101 101 1023, 437 101 1023, 437 101 1023, 436 1023, 436 1024, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 1018, 422, 437, 442, 445, 485 1017 1018, 422, 434, 445 1018, 437, 444 1018, 438, 441 1018, 437 1018, 438, 441 1018, 437 1018, 438, 441 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	140 150 106, 611, 102 102 101, 125, 848 101 102, 909, 815, 817, 821, 836, 839
Curis Mathes  CXC  Daviso  Davison  Daytron  Del  Denon  Dumott  Denon  Dumott  Del  Decroband  Discription  Del  Electrobund  Electrobund  Electrobune  Electrobune  Electrobune  Grader  Grader  Favision  Existion  Favision  Existion  Favision  Existion  Existion  Favision  Existion  Favision  Existion  Favision  Existion  Favision  Existion  Favision  Existion  Favision  Favision  Existion  Favision  Existion  Favision  Favision  Favision  Favision  Existion  Favision  F	NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 615, 630, 612, 630, 622, 634  NS  NS, 506, 615, 630, 612, 630, 632  NS, 506, 615, 630, 632  NS, 506, 616, 632  NS, 506, 607, 624, 632, 634, 637, 630, 631, 632  NS, 506, 607, 624, 634, 635, 636  NS, 506, 607, 624, 639, 630, 638, 638, 638  NS, 506, 607, 624, 639, 630, 638, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639  NS,	Orini Pansonic Penney Philips Pilic Philips Pilic Pinner Platarid Prinner Protarid Prinner Princeton Princeton Princeton Prins Procesan Protan Gustar RadioShack BCA Reafistic Ranco Samous Samous Samous Samous Samous Samous Sanous San	27, 631  180, 626, 625, 609, 100  1812, 105, 506, 607, 108, 609, 1016, 614, 623, 624, 642, 666  1812, 625, 606, 612  1812, 625, 609  1805, 606, 608  122, 635, 609  1805, 606, 608  123, 635, 608  124, 635, 608  124, 635, 608  124, 635, 608  124, 635, 608  125  107  108  109, 642, 606, 608, 609, 609, 609, 609, 102, 605, 605, 605, 605, 605, 609, 609, 609, 609, 609, 609, 609, 609	Citizen ClearMax ClearMax Coolmax Director Semerson Everquest Garard OC Electronics General Instrument Goodmind Jasco Merrold Memorex Motorola Multitech Optimus Pace Panasonic Paragon Philips Foncer Pulsar RadioShack	044 044 044 045 025 037 004 014 059 004, 637 002, 630, 625, 638 013 037 004, 614, 622 002, 604, 605, 625, 638 001 001 004, 615, 625, 638 001 005 005, 605, 605, 605, 605 006, 605, 605, 605 006, 605, 605, 605 007, 605, 605 008, 607, 608 009, 605, 608 001 004, 605, 608 007, 608 008, 607, 608 009 001 004, 608, 601 001 004 005 005 006 007 007 007 007 007 007 007 007 007	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic Citelsial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine go CyberHome Daessor Deassor Deassor Deassor DigitalMax Digitrex Disary Diyilo Dual DVD2000	440 171.077.0912.01.1013.150 213 223 177.15.21,153 152.153, 105,106 177 166 172 175 165 102 195 100 100 122 1088.099,102,105,106,111 195,966,182,195,195,201,204,205,206,207 155 198 198 199 190 191 196 197 2,119 196	Palips Fandbie	\$56,063,079,072,095,116,117,139,135,141,158,193,161,163,168,16 106  \$60,060,050,051,44  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$83,129,158,151,556  \$84,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,151,556  \$85,129,158,158,158,158,158,158,158,158,158,158	Dish Network System Dishpor E-hostar E-hostar E-hostar E-hostar GE General Instrument GOI Hitachi HTS Hughes Hughes Network Systems Jevold Magasava Memoret Mitachi Motorela Network Systems Memoret Passania Pass	854, 485, 68, 487   835, 666, 189   835, 666, 189   836, 181, 185, 666, 189   836, 181, 185, 666, 189   837, 182, 183, 184, 189   838, 185, 185, 185   839, 185, 185   830, 185, 185   831, 185, 185   832, 185, 185   833, 185, 185   834, 185, 185   835, 185   837, 1833   838, 183, 183, 183, 183, 183, 183, 183,	Dieseo Dieseo De Learson Saus La California Control De Long Co	801 107, 431, 456, 439 101 101 101 1023, 437 101 1023, 437 101 1023, 436 1023, 436 1024, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 1018, 422, 437, 442, 445, 485 1017 1018, 422, 434, 445 1018, 437, 444 1018, 438, 441 1018, 437 1018, 438, 441 1018, 437 1018, 438, 441 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	140 150 106, 611, 102 102 101, 125, 848 101 102, 909, 815, 817, 821, 836, 839
Caris Mathes CXC Durwoo Duptron Duptron Dell Denon Den	NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 600, 009, 012, 013, 014, 016, 017, 019, 022, 630, 638  NS, 506, 615, 630, 612, 630, 622, 634  NS  NS, 506, 615, 630, 612, 630, 632  NS, 506, 615, 630, 632  NS, 506, 616, 632  NS, 506, 607, 624, 632, 634, 637, 630, 631, 632  NS, 506, 607, 624, 634, 635, 636  NS, 506, 607, 624, 639, 630, 638, 638, 638  NS, 506, 607, 624, 639, 630, 638, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639, 630, 638  NS, 506, 607, 624, 639  NS,	Orion Pansonic Prency Philo Philip Philo Philip Plilo Philip Philo	27, 631 1910, 258, 632, 609, 100 102, 103, 600, 607, 100, 609, 1010, 1014, 1024, 1024, 1024, 1026 102, 103, 600, 600 103, 600, 600 104, 600, 600 105, 600 105, 600	Citizen ClearMax ClearMax Coolmax Director Semerson Everquest Garrard GC Electronics General Instrument Goodnind Jasco Jerrold Memorex Motorola Multitech Optimus Pace Panasonic Parigon Philips Pincer Pulsar RadioShack RCA	044 044 044 045 025 037 004 014 059 004, 637 002, 630, 625, 638 013 037 004, 614, 622 002, 604, 605, 625, 638 001 001 004, 615, 625, 638 001 005 005, 605, 605, 605, 605 006, 605, 605, 605 006, 605, 605, 605 007, 605, 605 008, 607, 608 009, 605, 608 001 004, 605, 608 007, 608 008, 607, 608 009 001 004, 608, 601 001 004 005 005 006 007 007 007 007 007 007 007 007 007	AMMW Amphion Media Works Anam Apex Digital Arrgo Aspire Digital Andiovox Axion Blaupunkt Blue Parade Blue Sky Broksonic Citelsial Centrex Cinea Cine Vision Cine Vision Cine Vision Cine go CyberHome Daessor Deassor Deassor Deassor DigitalMax Digitrex Disary Diyilo Dual DVD2000	440 171.077.092.101.103.150 203 223 177.152.153 152.153, 105.106 177 175 165 172 175 185 200 199 190 192 185.099,102.105.106.111 193.098,182.195.195.105.206.207 185 198 199 195 190 192 193 194 195 197 2119 196 151.155 158	Palips Fandbie	\$5,063,079,072,095,116,117,139,135,141,158,159,161,163,168,16 186  \$6,083,129,07,136,144  \$83,129,07,136,145  \$83,129,07,136,145  \$83  \$12,253,157  \$71  \$12  \$13  \$14  \$15  \$15  \$15  \$16  \$15,066,079,089,108,154  \$15  \$16  \$15,066,079,089,108,154  \$17  \$17  \$18  \$18  \$18  \$18  \$18  \$18	Dish Network System Bishayo Echostar Expressiva GE General Instrument GOI Bitathi HTS Hinghes Hinghes Network Systems Jevald JVC Legend Magazava Memorex Jikushishi Motorola Vext Level Panssonic Paysat Pallips Pinneer Prescan RadioShack RCA Realistic SKY Sany Sar Choke Tro Inshibal Caidien Voom Cantrolubo pur DVD Caidien Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien para TV\/VR Comb Caidien Caidien para TV\/VR Comb	854, 485, 68, 487   835, 666, 189   835, 666, 189   836, 181, 185, 666, 189   836, 181, 185, 666, 189   837, 182, 183, 184, 189   838, 185, 185, 185   839, 185, 185   830, 185, 185   831, 185, 185   832, 185, 185   833, 185, 185   834, 185, 185   835, 185   837, 1833   838, 183, 183, 183, 183, 183, 183, 183,	Diesto Di	801 107, 431, 456, 439 101 101 101 1023, 437 101 1023, 437 101 1023, 436 1023, 436 1024, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 101, 422, 437, 442, 444, 485 1017 1018, 422, 437, 442, 445, 485 1017 1018, 422, 434, 445 1018, 437, 444 1018, 438, 441 1018, 437 1018, 438, 441 1018, 437 1018, 438, 441 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1019 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448 1018, 447 1018, 448	Electrophonic Emerson ESA Expressvu Fisher Fuji Funai Garrard GE	HO 150 106, 011, 102 102 102 103, 013, 103 103 103 103 103 103 103 103 103 103