

This is part of the Remote Train Control Manual.
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Name	Command Super Mode=0x08	Function
Switch	a	0x08
	aa0	All Lights Off Used by DCS Loader during read up of sound file
	aa1-aa255	Some lights on/other lights off Seems to be bit mapped to the lights in the engine Found by experimentation
	aa842F	Used during LastUp startup right after "Dq" command
	ab	
	ab0	HDLT Off HDLT
	ab1	HDLT On HDLT
	ab2	Programmable Interior Switch Off LIN see notes in file readme-V5.0.txt LMK Aux Light 1 Off Firebox Glow Off Headlight Off
	ab3	Programmable Interior Switch On LMA LMA Number Boards Off LNB Aux Light 1 On Firebox Glow On Headlight On
	ab4	Programmable Mers Switch Off LMA LMA Number Boards On LNB Aux Light 2 Off Firebox Glow Off
	ab5	Programmable Mers Switch On LFB LDI Aux Light 2 On Firebox Glow On
	ab6	Programmable Ditch Switch Off/Auto LFB LDI Aux Light 3 Off Firebox Glow Off
	ab7	Programmable Ditch Switch On LDI Aux Light 3 On Firebox Glow On
	ab8	Ditch Lights Ditch Lights AUTO sends ab6-ab8-abd
	ab9	Ditch Lights Ditch Lights Off sends ab6-ab8-aba
	abA	Ditch Lights LDI
	abB	Ditch Lights On LBE
	abC	Beacon Light Off LBE
	abD	Beacon Light On
	abE	Smoke Off/Labored Smoke Off NOTE: I don't understand exactly how labored smoke works - must be done in the Remote
	abF	Smoke On/Labored Smoke Auto
	ab10	Smoke Max
	ab11	Smoke Med
	ab12	Smoke Min
	ab13	Cab Chatter Auto
	ab14	Cab Chatter Off
	ab15	Clicky Clack On FCC
	ab16	Clicky Clack Off in RTC, its a switch called "Brake Squeal"
	ab17	Brakes Sounds Auto
	ab18	Brakes Sounds Off
	ab19	Proto Chuff Auto
	ab1A	Proto Chuff Off
	ab1B	
	ab1C	Marker Lights On LMK see notes in file readme-V5.0.txt
	ab1D	Marker Lights Off
	ab1E	
	ab1F	
	ab20	Play Whistle On SPW
	ab21	Play Whistle Off
	ab22	Smoke Whistle On FSW
	ab23	Smoke Whistle Off
	ab24	Swinging Bell On FSB
	ab25	Swinging Bell Off
	none	Electric Ring Smoke FES
	ab26-ab29	Thumbwheel movement after SPW Up sends ab27-28-29, Down sends ab28-27-26
	ab30	Pantograph Auto Pantograph Menu
	ab32	Pantograph Front Down FDN
	ab33	Pantograph Front Up FUP
	ab35	Pantograph Manual
	ab38	Pantograph Rear Down RDN
	ab3C	Pantograph Rear Up RUP
Bell/Whistle	b	0x08
	bFFFb	bell off Note: FFFb = -4 (one's complement) (bell on is "w4")
	bFFFD	whistle off Note: FFFD = -2 (one's complement) (whistle on is "w2")
	bFFFF	Trolley Note: FFFF = 0 (one's complement) (Trolley SAV is "w2")
	b7FFF	Trolley Note: E7FF = -1800 (one's complement) (Trolley LST is "w1800")
Coupler	c	0x08
	c0	CPLR-F
	c1	CPLR-R
Direction	d	0x08
	d0	Forward NOTE: DIR F/R F/R are handled inside of the Remote
	d1	Reverse
	e	
	f	
Chuff/Labor/Rev	g	0x08
	g0X	set steam engine chuff rate to 1-16 per revolution
	g0X	set diesel sound notch level to 1-8
Coupler Stack	h	0x08
	h1	SCS Coupler Stack Sound Sent automatically on start from 0 Smph if requested
Idle Sounds	i	0x08
	iX	Play Idle Sound X (X can only be the digit 1 through the digit 9)
	j	
	j212	See PS3.0 note above saw on reset maintenance
	k	
	k34	See PS3.0 note above
	k76	saw on reset maintenance
	k8D	saw on reset maintenance
	k8F	saw on reset maintenance
	k8E	saw on reset maintenance
	k84	saw on PS3 startup
Doppler Loop	l	0x08
	l0	doppler loop off
	l1	doppler loop on
Mode	m	0x08
	m2	Conventional Mode
	m4	Command Mode used during startup
	m8	Legacy Mode
Normal Sounds	n	0x08
	n1	Startup NOTE: these are sounds found in the PALE #1561 SW1500.
	n2	Shutdown
	n8	Running
	n12	Coupler
	n13	Coupler Open
	n14	Coupler
	n20	Thump-thump sound
	n21	Continuous Air Pump Sound I don't know how to turn this off besides doing a Shutdown
	n24	Another continuous sound
	n25	Coupler
	n28	Another continuous sound Many of these continuous sounds inhibit other sounds
	n30	Steam Hiss
	n30-n40	Various engine sounds
	n41	Single Toot Not available in all engines Often same as n255 - SXS
	n42	Single Toot
	n42	SXS Not available in all engines Often same as n255 - SXS
	n43	SFS
	n44	SFS
	n46	Clicky Clack Sound (Continuous) I don't know how to turn this off besides doing a Shutdown
	n52	Doppler Sound
	n55	"Is she ready to go?"
	n58	"Everything checks out ok. But you could use some fuel."
	n57	"Fill 'er up then."
	n58	"OK, you're good to go."
	n59	"Thanks."

n60		"Check out the compressor. It sounds like she's a little rough"	
n61		"Probably just needs a little oil. We'll take care of it."	
n62		"See you tomorrow."	
n63		"Check out the sanders while you are down there."	
n64		"Sanders are full up."	
n65		"OK, thanks."	
n66		"Check the sight glass, would you?"	
n67		"Ah, plenty of fuel for now."	
n68-77		Seems to be idle Sounds but possibly not in all engines S11-S19	
n68		"OK, we'll top her off later."	
n69		"Let's go."	
n69-71		FFA	
n80		"Here comes the conductor now..."	
n81		"There sure is a lot of activity here at Beck's Run."	
n82		"That's good but we still have to keep up with the traffic flow."	
n83		"We'll be on our way shortly"	
n84		"After we drop this cut of billets from J&L..."	
n85		"We should be back in time to haul..."	
n86		"Yea, that should be a big help..."	
n87		"We will bring back the empty jerrycans..."	
n88		"You are right about that..."	
n89		"Well, I'm get going..."	
n90		"CPDY this is engine 1561, we are ready to depart, over."	
n91		"this is dispatch CPDY responding..."	
n92		"CPDY, this is engine 1561, we are departing..."	
n92-n127		blank	
n121		Coors Door Open (CDO)	
n122		Coors Door Close (CDC)	
n128		Train wreck voices	
n129		Train wreck sounds	
n132		"I bent my elbow"	
n133		"Check please."	
n134		"Where am I?"	
n135		I dropped my watch	
n152-156		Horn and Horn endings	
n157		Bell	
n158-160		Engine sounds	
n161		"We need to move those piggybacks soon."	
n162		"You can close 14."	
n165		"We've got a flat spot on this one."	
n166		"Better get that over to the bad order line."	
n167		"We need to trim 14"	
n169		"We'll send the car knocker over."	
n171		"Ah, we're ready to go."	
n173		"Ready to call it a night"	
n174		"See you guys in the AM."	
n121		Coors Door Open (CDO)	
n122		Coors Door Close (CDC)	
n177-n186		Play Sound S01-S10 NOTE: these are sounds found in the PALE #1561 SW1500.	
n177		"Ready to call it a night"	Eng Sound 1
n178		"We need to trim 14"	Eng Sound 2
n179		"3 times 14" hard to understand	Eng Sound 3
n180		Train Wreck	Eng Sound 4
n181		"...J&L Sleep" hard to understand	Eng Sound 5
n182		Steam escape	Eng Sound 6
n183		Doppler crossing gate bell	Eng Sound 7
n184		Coupler Close	Eng Sound 8
n185		Coupler Open	Eng Sound 9
n186		Coupler Slack	Eng Sound 10
n187-242		Various engine sounds	
n242		Toot-Toot	
n243		Alternate Horn	
n244		This stop Brighton	NOTE: these are sounds found in the PALE #1501 GP-7
n245		This stop Beaver	NOTE: these are sounds found in the PALE #1501 GP-7
n246		This stop Monaca	NOTE: these are sounds found in the PALE #1501 GP-7
n247		This stop Alcaipa	NOTE: these are sounds found in the PALE #1501 GP-7
n248		Frogs and Dogs Barking	NOTE: these are sounds found in the PALE #1501 GP-7
n255		Crossing Sound	NOTE: these are sounds found in the PALE #1501 GP-7
Emergency stop	o 0x08	Emergency Stop - sent to all TIU known to remote	
Ping	p 0x08	p4Track Signal	Responds with 15 characters
		Sound 1 and 2 set to zero (V1000 & V2000)	One data byte with number of packets to Engine out of 100 that were lost
		On completion, Sound 1 and 2 set to 70 (V170 & V270)	
		See 'S' command, something to do with Custom Sound	
p0		Sound from "Mic"	
p1			
p2			
Query	q 0x08	Sends request for data to TIU which returns that data. The format and function of this command is unknown	
Rev up/down	r 0x08	Seems to only be used for steam engines, see gXX for Diesel Engines	
r16		Laber Rev Up	
r15		Normal	
r17		Drift Rev Down	
r14		Doppler	
Speed	s sXXX 0x08	Set speed to XXX (0-120)	
Track	t 0x08	Conventional mode controlling track voltage Ability to set start/max voltages in the remote All commands return typical 11 codeword ACK Voltage X=TIU channel number VAR1+VAR2=1, YYY= voltage as YY.Y volts	Get here by pressing the TRK key and select TIU Channel
EX	FDL	Direction Lock	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX	FSC	Speed Control toggle	
tsXXX	IZV	Set voltage to Zero	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX1		Whistle button pressed	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX0		Whistle button released	
tsX1		Bell button pressed	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX0		Bell button released	
tsX		CPLRR	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX		CPLRR	
tsX		FR	Feature Reset
tsX		PFA on	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX0		DIR Button pressed	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
tsX1		DIR button released	
tsXpYY		PS1 Program YY= Feature	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
		# OPERATION	DEFAULT CLANKS/CLINKS
		6 Engine Volume	Full Volume 1 Clank/1 Clink
		10 Coupler ON/OFF	Coupler ON 2 Clanks/0 Clinks
		18 Reset	Default Settings 3 Clanks/0 Clinks
		20 Remote Bell Button	Bell Button Active 4 Clanks/0 Clinks
		23 Cab Chatter ON/OFF	Cab Chatter ON 4 Clanks/0 Clinks
		25 Horn in Neutral	Horn in Neutral OFF 5 Clanks/0 Clinks
		27 RESERVED	
		28 FYS Enabled	FYS ON 5 Clanks/0 Clinks
		40 Lockout Enabled	Lockout OFF 8 Clanks/0 Clinks
		45 Squeaking Brakes	Brakes Always ON 9 Clanks/0 Clinks
		First command will get ACK, repeat command with same sequence # until you get another ACK	
Utility	u 0x08	PFA off Coors Delivery Stop (CDS)	
u0		PFA on	
u1		STW (train wreck)	Coors Delivery Stop (CDS) (also see n121 & n122)
u3		startup	used for Lash Up
u4		Shutdown	used for Lash Up
u5		Extended Startup	Sent as part of Recover Lost Engines sequence
u6		Extended Shutdown	
u7		Trolley	
u8			
Volume	v 0x08	volume	xxxx 0 to 100
v0xxx		master volume	
v1xxx		engine sounds	
v2xxx		accent sounds	
v3xxx		horn volume	
v4xxx		Bell volume	
Whistle/Bell	w w1, w3, w5 0x08	All sounds off, found experimentally	Reset by shutdown
w2		whistle on	bFFF
w4		bell on	bFFF
w40		Coupler Close	SCC
w80		Boiler Release	
w1000		Boiler Startup	
w1800		Trolley	
w2		Trolley	

AIU Count	x	0x08	returns number of AIU in one byte of data	Engine # in command does not seem to matter
Select Engine	yXX		Followed by engine number, seems to select that engine for following commands. Seen only from DCS Loader when reading up a sound file.	
	z		See PS3.0 note above	
	z0		saw on reset maintenance	
	z10		saw on reset maintenance	
	z12		saw on reset maintenance	
Accessory/Switch Route/Scene	Aa	0x00	Engine Number in command is ignored All Accessories on All Accessories off	One command needed for each TIU AaFFFFFFFFFFFF Aa00000000000000
	Ab		Route Activate	eg: Aa00000000000000000000000000000000 2 switches, one straight, one diverge Aa00000000000000000000000000000000 2 switches, both set to diverge 2 switches per character - 26 characters + 52 (50 used) switches 100 bits, two for each switch (SW) port on the TIU & 5 AIU // 00 = no change LO bits sets diverge, rest higher bit sets straight // 01 = set diverge 5 of these strings can be built, each sent to its controlling TIU // 10 = set straight
	Ab		All Switches Straight All Switches Diverge	Ab05555555555555555555555555555555 Ab0A0000000000000000000000000000
	AaXY		AIU X switch Y straight	X = AIU 0-4 for AIU #1 to #5
	AaXY		AIU X switch Y curve	Y = Accessory/Switch 0-9 for #1 to #10
	AaXY		AIU X Acc Y on	Accessory Activate is both AaXY and AaXY
	AaXY		AIU X Acc Y off	
	Ag		Scene on	eg: Ag00000000000000000000000000000000 This example is turning port 1 of AIU 1 on and off
	Ah		Scene off	Ah00000000000000000000000000000000
	Ag		Scene Activate is both Ag and Ah	4 accessories per character - 14 characters = 56 (50 used) accessories 50 bits, one for each accessory (ACC) port on the TIU & 5 AIU // 0 = off a "1" bit means turn on for "Ag" and turn it off for "Ah" // 1 = on 5 of these strings can be built, each sent to its controlling TIU
Change TIU	B	0x00	change addressed TIU to X (values 0 - '4' for new TIU number 1 to 5)	
	BX			
	C			
Acc/Dec Rate	D	0x08	read acc/dec rate	Returns two bytes of data, first is Acc rate, second is Dec rate.
	Dq		acc rate	Value: 1 to 25 SmpH/sec (factory setting - 4 SmpH/sec)
	DdXX		dec rate	
	DXXX			
Change Engine #	E	0x00	change addressed engine number to XXX (values DCS '2' - '100' for new Engine number 1 to 99) Used for adding a factory reset engine : Sync 01 'E' '2' Seq TIU/Remote CRC - change engine #1 (factory reset) to #2	
	EXXX			
Feature	F	0x00	engine feature reset	
	F0		engine factory reset	
	F1		TIU Feature Reset	(in Remote test, it was sent 10 times) A normal response after about 20 seconds
	F2		TIU Factory Reset	Sent once A normal response after about 20 seconds
	F3			
Trolley	G	0x08		
	G8001			
	G8004			
	G8004			
	G8001			
Handshake	H		CHAP command	
	H2		reset CHAP	
	H5		CHAP challenge	
	H6		CHAP Authentication	
Interrogate	I	0x08	IOXX used after ADD ENGINE (0) command	
	I0		IO:48.00.00.00.00.00.00.00.00.00.00.10.00	Used during read up of sound file
	IO		Add engine	IOXX seems to be an interrogate engine command which responds with engine info & name
			Returns a 104 bit string (13 bytes '001' with LO bit being engine DCS #1 (a factory reset engine #00) of the engine number to be added.	
			00 00 00 00 00 00 00 00 00 01 10	<< Engines 4 and 8 (DCS #5 & #9)
			00 00 00 00 00 00 00 00 00 00 00 00 00 01 10	<< DCS #5 & #9
			13 bytes 99-96 95-88 87-80 79-72 71-64 63-56 55-48 47-40 39-32 31-24 23-16 15-8 7-1	<< DCS #
			* Sometimes this byte has 0x40 bit turned on	
	I133			
	I134			
	I138		I133, I134, I138, I10, I139 all used after READ (x) command	
	I10		But I don't know what they do	
	I139			
	0		Recover lost engines	Sometimes seen on Add MTH Engine
Join	J	0x08	Setup Engines for All Engine Operation	All Engines modes send to engine DCS #101. Preceded by "x" command and follow with commands to Engine #100 DCS #101. Var X into Fixed Mode X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1) '1' '40' '00' '00' '00' '00' '00' '00' '00' '00' '00' '00' '01' '10' << Engines 4 and 8 (DCS #5 & #9) Appears to be same 104 bit string for 89 engines See notes in the source code for problem when an AIU is attached to the TIU Startup is only "x4" not the other commands we see in other startups.
EEPROM Erase	K		Used by DCS Loader during write of sound file	
	K0A0000		Erases 0x2000 bytes	
	K0C0000		Erases 0x2000 bytes	
	K040400		Erases 0x2000 bytes	
	K060600		Erases 0x2000 bytes	
Unknown	L		I don't know what these do	
	Lc		Used by DCS Loader during write of sound file	
	Lf			
	M			
Name	N	0x08	Change Eng Name (YYYY up to 16 characters)	
	NaYYYY			
AC Input Freq	O	0x00	50 HZ	
	Oc1		50 HZ	
	Oc0		60 HZ	
DCS Setup	Oa1111	0x00	AON	Positionally the four '1's represent TIU channel 0-3 (Var1 = 0, Fixed1 = 1, Fixed2 = 2, Var2 = 3)
	Oa0000		AOFF	Positionally the four '1's represent TIU channel 0-3 (Var1 = 0, Fixed1 = 1, Fixed2 = 2, Var2 = 3)
	OaX0		Var X into Fixed Mode	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
	OaX1		Var X into Variable Mode	X=TIU variable channel number 0-1 (Var1 = 0, Var2 = 1)
	OaZ1		Channel Z DCS signal ON	Z=TIU channel 0-3 (Var1 = 0, Fixed2 = 2, Var2 = 3)
	OaZ0		Channel Z DCS signal OFF	Z=TIU channel 0-3 (Var1 = 0, Fixed1 = 1, Fixed2 = 2, Var2 = 3)
Quality	P		Used by DCS Loader during read up of sound file	
	Q		Response is a number from 0 to 100	
Read Sound File	R		RxxxxxYYYY	xxxxxx = 6 digits of Address yyyyyy = 6 digits of length
			Used by DCS Loader during read of EEPROM	
Sounds	S	0x08	Custom Sounds	Uses p0, p1 and p2 commands
	Sf		Name Custom Sound 0 to "A"	Note: name includes blanks "A"
	Sf01			
	Sn0A			
	S0			
	S0			
	S0			
	S0			
	S0			
	S0			
TMCC	T	0x00	http://mri.sourceforge.net/help/en/htm/hardware/tmcc/index.shtml	
	T02		Direction	F19 Toggle Direction F20 Boost F21 Brake F3 Front Coupler
	T05		Front Coupler	F4 Back Coupler
	T06		Rear Coupler	F0 (Headlights On / Off)
	T09		Headlight On	F6+1 Volume Up
	T0B		Volume +	F8+3 Start up Sounds
	T0D		Startup	F9+4 Volume Down
	T0E		Volume -	F10+5 Shut Down Sounds
	T0F		Shutdown	F12+7 Tower Comm
	T12		Smoke Off	
	T13		Smoke On	
	T14		Bell topee	F1 Bell On / Off
	T15		Whistle on	F2 Horn/Whistle 1
	T16		Whistle off	F2 Horn/Whistle 1
	T1A		MOM low	
	T1B		MOM medium	
	T1C		MOM High	

T27 Enter AX1 Mode
 T50-T58 AX1 + keypad 0-9
 0 T50 Halts and resets to forward
 1 T51 Raises the Volume
 2 T52 Reserved
 3 T53 Raise the RPM level
 4 T54 Lowers the Volume
 5 T55 Activates shutdown sound
 6 T56 Lowers the RPM level F11+6 Steam Release / RPM Decrease
 7 T57 Reserved
 8 T58 Deactivates aux lighting and smoke unit/firebox glow
 9 T59 Activates aux lighting and smoke unit/firebox glow

T28 Enter AX2 Mode
 T50-T58 AX2 + keypad 0-9
 0 T50
 1 T51
 2 T52 Reserved
 3 T53
 4 T54
 5 T55
 6 T56
 7 T57 Reserved
 8 T58
 9 T59

F15 Aux 1
 F16 Let off sound
 F17 Forward
 F18 Reverse

T60-T77 Speed Step 0-31
 T4X Used for 128 Speed Step Mode
 T5X Used for RGL mode
 T4A Up 5 Speed Steps
 T49 Up 4 Speed Steps
 T48 Up 3 Speed Steps
 T47 Up 2 Speed Steps
 T46 Up 1 Speed Steps
 T44 Down 1 Speed Steps
 T43 Down 2 Speed Steps
 T42 Down 3 Speed Steps
 T41 Down 4 Speed Steps
 T40 Down 4 Speed Steps

Lash Up U UOOOXY 0x08
 X in binary for engine numbers HO bit (0x80) means run in reverse Y = 0xFF or 256.
 Startup is only "u" and the other commands we see in regular engine startups.
 Engine may need to be Feature Reset when removed from Lash Up.

Note: DCS engine #102 is always used to indicate a LashUp
 In the remote, Lash Up numbers start with next available engine number
 In RTC, I number the lashups from 101 to 120 (programmatic limit only)
 Example:
 00 06 55 0A 03 84 FF 98 03 C3 BC
 Head Engine 9 (DCS 0x0A), mid Engine 2 (DCS 0x03), tail Engine 3 (DCS 0x04) in reverse 0x80 | 0x04 = 0x84
 Startup looks like this:
 00 06 75 24 2C 0A 03 84 FF 99 03 E9 CF
 "u" "c"
 0x2C must be some flag followed by engine numbers followed by 0xFF
 Here are some other commands:
 55556666A999559966660505A5556666550AAA55A66666AA6999994D
 00 06 0E 34 33 2C 0A 03 84 FF B6 03 7B CC
 "r" "4" "3"
 55556666999A6666666666A5556666550AAA665566665A69A94D
 00 06 77 32 2C 0A 03 84 FF 0A 03 87 FC
 "w" "2"
 5555666699955599599599599599595A55556666559AAA66665566A699A4D
 00 06 02 46 46 46 46 2C 0A 03 84 FF 9B 03 53 DD
 "b" "F" "F" "D" "1"
 5555666699A666A69999A55556666559AAA6666556659A5A94D
 00 06 75 35 2C 0A 03 84 FF B6 03 24 F4
 "v" "v" "1"

Write Sound File W Wxxxxxyyyyyy xxxxxx = 6 digits of Address yyyyyy = 6 digits of length
 Used by DCS Loader during write of sound file

Unknown X Used by DCS Loader during read up of sound file
 X0 I don't know what these do
 X1

Y
 Z

TIU Version 1 0x00
 ! Read TIU Version Number
 Responds with data '0' '4' '2' '0' which means version 4.20
 Responds with data '0' '4' '3' 0x00 Bug in v4.30 last digit is binary instead of ASCII
 Responds with data '0' '5' '0' '0' version 5.00

Modes:
 Super TIU mode Need to do more testing, one test shows Remote sending to TIU 8, another test to TIU 11
 All Engines modes send to engine DCS #101.

In several command sets, I saw this sequence
 z10 end of startup sequence z10 Reset Maintenance command z10 Reset Maintenance command
 [212 Also seen with Maintenance Reset [212
 664 Was a SW 1500 PS3 engine 676 very old A&S SW1200 PS2 engine [212
 z0 z0 66F 66F z0
 Seen with commands switching between Conventional and Legacy Modes
 I don't know what the "r", "j", "k" or "z" command do.

Trolley Menu

MLM LST u10
 w1800
 BEFF
 SAV w2
 bFFFD
 SOB w2
 bFFFD
 SLP w2
 bFFFD

FAS u9
 FOL GR001
 GR004
 GC004
 FAR u9
 GC001
 GR001

MMM

Doppler Menu

On r14
 Off i0