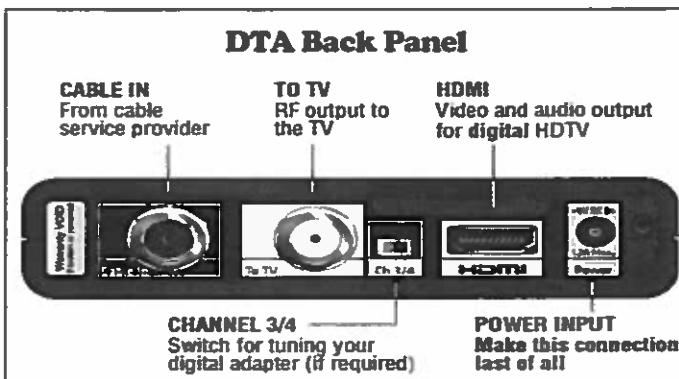
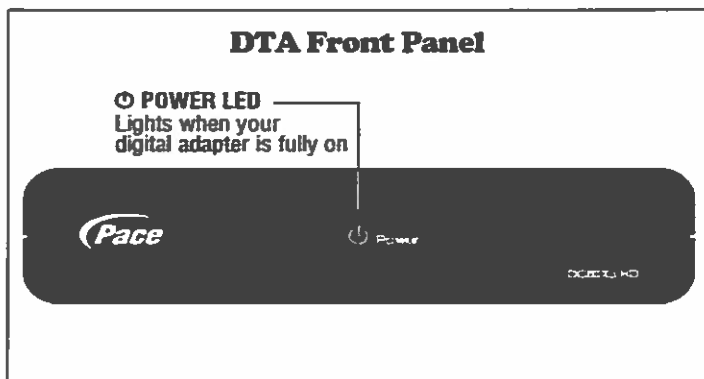


Washington University DTA Installation Process

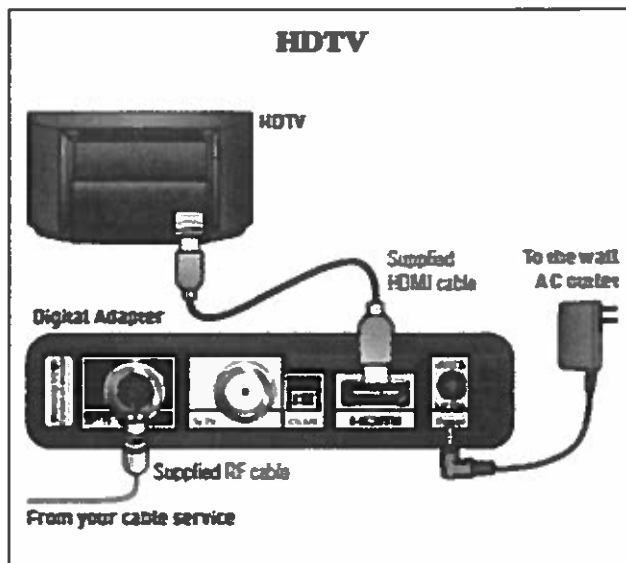
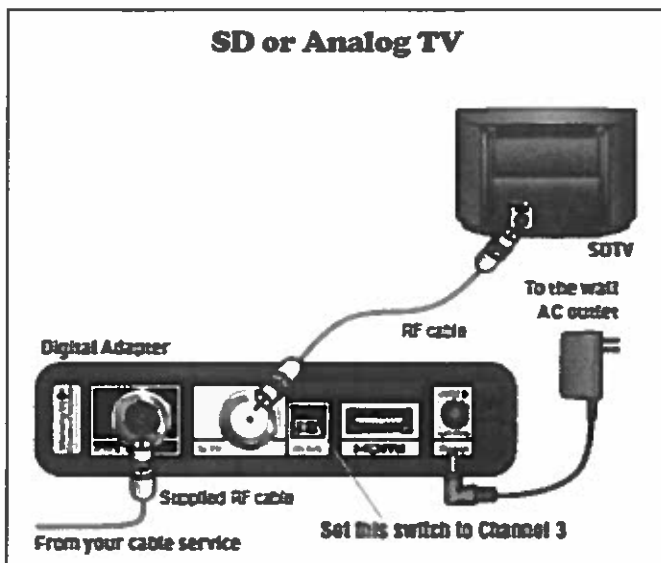


This document details the steps a property manager should take to install Digital Transport Adapters (DTA). DTAs are small, digital devices that will allow TVs to show programming delivered by Charter's digital network. The DTAs must be installed prior to the cutover date from analog to ensure the property TVs will not lose service. After this date, any TV that is not connected to a digital device will not be able to view programming from Charter's network. Charter recommends that these devices are installed as close to the digital cutover date as possible to minimize the time property guests will experience a limited lineup. This DTA install process should take approximately 10 minutes per device. Please contact CB CARE at 1-800-314-7195 with any questions.

Prior to beginning the installation process, ensure that you have received a DTA, RF/HDMI cable(s), power cord, remote control, batteries, and Velcro for each TV.



1. Connect the DTA to the Cable Outlet
 - a. Locate the cable that currently runs from the cable wall outlet to the back of the TV. Leave the cable connected to the wall, but disconnect the other end from the back of the TV.
 - b. Reconnect this end of the cable to the "Cable In" input on the back of the DTA.
2. Connect the DTA to the TV
 - a. If you have an HDTV, connect the HDMI connector to the HDMI port on the back of the DTA to the HDMI input on the back of your TV.
 - b. If you have an SD or analog TV, connect one end of the 3-foot coax cable to the "To TV" input on the back of the DTA. Connect the other end to the "Cable In/RF In" input on the back of your TV.



Washington University

DTA Installation Process



3. Power Up
 - a. Connect the external power supply unit to the connector marked "Power" on the DTA.
 - b. Connect the other end into a power outlet surge protector.

4. Set the Channel (if using an HDTV, proceed to step 5)
 - a. Turn on your TV and tune it to channel 3.
 - b. Set the switch on the back of the DTA to channel 3.

Note: Some parts of the country use channel 4. If you do not have a picture after completing this step, you may need to switch both your TV and the DTA to channel 4.

5. Enable RF Remote Control Pairing
 - a. If two AA batteries are not already in the remote control, insert them now. If the TV is not on, turn it on.
 - b. Press MENU on the remote control.
 - c. Scroll to "Remote Control" in the Setup Menu.
 - d. Scroll to "RF Remote Setup (Advanced)" and press OK/Enter to enable RF remote pairing. Ensure you are NOT disabling the feature but enabling it.
 - e. Scroll to "IR Remote Setup (Advanced)" and press OK/Enter to disable IR remote capabilities. Ensure you are disabling the feature, NOT enabling it.

6. Program the Remote Control to the DTA
 - a. Point the remote control towards the DTA. Press and hold the SETUP button until the All Power LED turns red, then release.
 - b. Press and release the MENU button rapidly (up to 5 times) until the Remote Control Pairing overlay appears on-screen.
 - c. Enter the three digit code that is displayed.
 - d. Once the device is paired, you will see "Success!" displayed on-screen. Press OK to complete the process.
 - e. Test the remote to ensure the buttons now control the TV.

7. Program the Remote Control to the TV (3 pairing options exist)

Option 1: Popular Brands Method (chart on right)

- a. Manually turn the TV on.
- b. Press and hold SETUP on the remote control until the LED blinks twice.
- c. Press the TV Power button on the remote control (top left).
- d. Press and hold the corresponding digit button for the TV brand.
- e. Release the digit button when the TV turns off. Setup is complete.
- f. Test the remote to ensure the buttons now control the TV and DTA.

Popular Brands	
Digit	TV
1	Insignia/Dynex
2	LG/Zenith
3	Mitsubishi
4	Panasonic
5	Philips/Magnavox
6	Samsung
7	Sharp
8	Sony
9	Toshiba
0	Vizio

Option 2: Popular Brands Method (Remote Control Manual)

- a. Manually turn the TV on.
- b. Press and hold SETUP on the remote control until the LED blinks twice.
- c. Find the manufacturer's code for the TV from the Remote Control Manual supplied with the DTA.
- d. Enter the first code for the brand of the TV. (A full listing of codes can be found at urcsupport.com).
- e. Press the TV Power button on the remote control to test. If the TV turns off, setup is complete. If the TV does not turn off, repeat steps 2 through 3 using the next code listed for the TV brand.
- f. Test the remote to ensure the buttons now control the TV and DTA.

Washington University DTA Installation Process

Option 3: Code Search Method

- a. Manually turn the TV on.
- b. Press and hold SETUP on the remote control until the LED blinks twice.
- c. Press and hold down OK/SELECT.
- d. Release the button when the TV turns off. Setup is complete.
- e. Test the remote to ensure the buttons now control the TV and DTA.

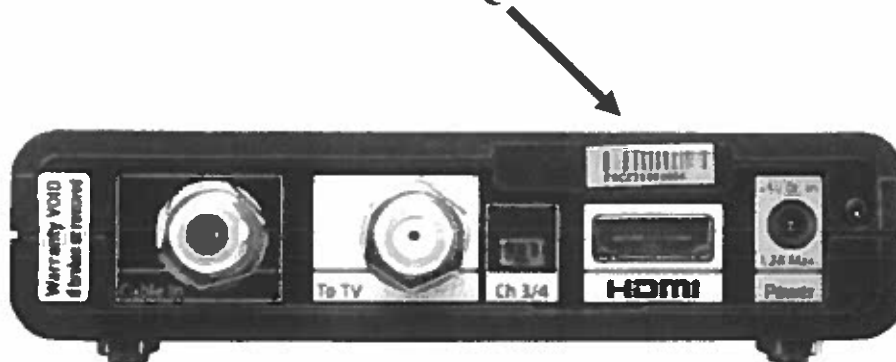


Remote Button	Function
Cable Power	N/A
TV Power	TV Power
Guide	Guide
Menu	Menu
Menu Up	Channel Up
Menu Down	Channel Down
Menu Left	Left
Menu Right	Right
OK/Enter	Select
Info	Info
Exit	Exit
Page Up	Page Up
Page Down	Page Down
Vol +	TV Volume Up
Vol -	TV Volume Down
Mute	TV Mute
Last	Last Channel
CH +	Channel Up
CH -	Channel Down
C-0	Digits 0-0
LANG	N/A
SETUP	N/A

8. Place the DTA
 - a. After programming the remote, place the DTA in a suitable location, observing the ventilation requirements described in the safety information manual.
 - b. You can use adhesive fasteners (Velcro) to attach your DTA to the side or back of your TV.

If you have questions or difficulties, please contact CB CARE (1-800-314-7195) and reference the unique DTA Serial Number located where the red arrow is on the back panel (see below).

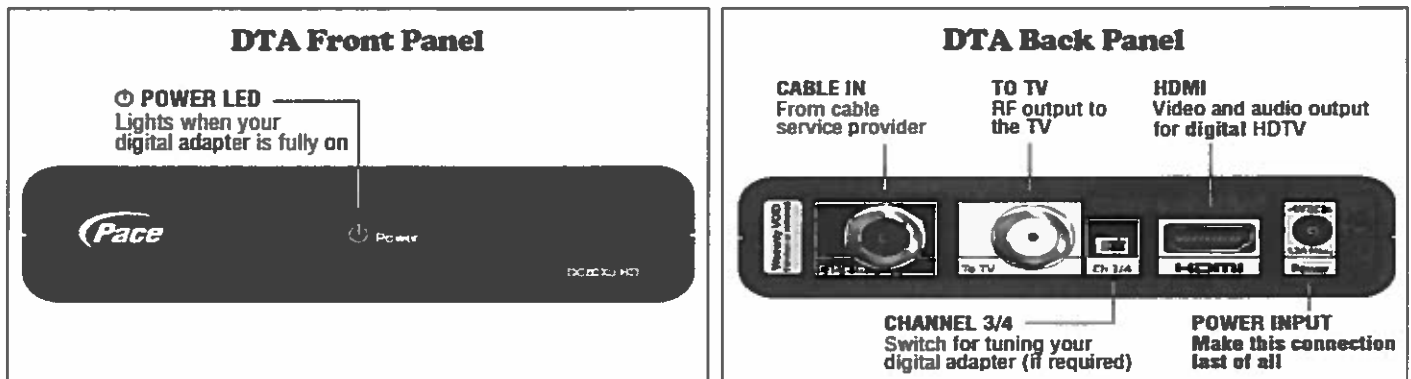
DTA Serial "PACQZ 0010 - - - -"



Pace DTA Remote Pairing

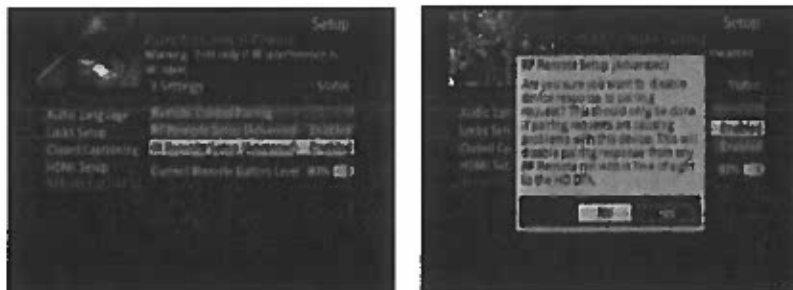
This document details the steps a property manager should take to pair a DTA remote control to an individual television. The Pace DTA remote controls are radio frequency (RF) instead of infrared (IR), meaning that these remotes can control a TV without the need for an external sensor. Another advantage of the RF remote is that an individual remote is paired to an individual TV, eliminating the issue of one remote potentially controlling multiple nearby TVs. The RF pairing process should take no more than five minutes.

Prior to beginning the RF pairing process, ensure that the DTA is properly connected to the cable outlet and TV and is plugged into a power outlet. Also, the DTA should not yet be placed in a concealed location as you will need access to the front and back panels of the device to complete the RF pairing.



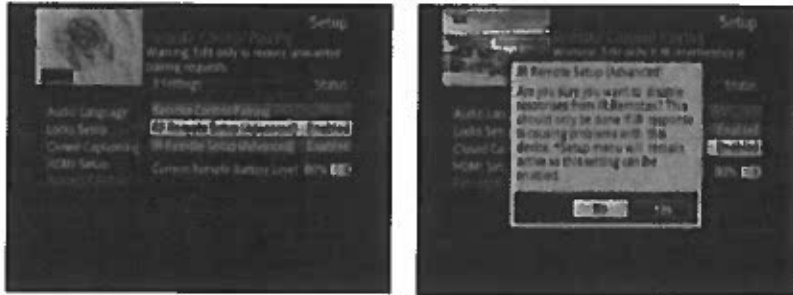
1. Turn on the DTA
 - a. Ensure the external power supply unit is connected from the "Power" connector on the DTA to a power outlet surge protector.
2. Set the Channel (if using an HDTV and HDMI connection, skip to step 3)
 - a. Turn on your TV and tune it to channel 3.
 - b. Set the switch on the back of the DTA to channel 3.

Note: Some parts of the country use channel 4. If you do not have a picture after completing this step, you may need to switch both your TV and the DTA to channel 4.
3. Enable RF Remote Control Pairing
 - a. If two AA batteries are not already in the remote control, insert them now. If the TV is not on, turn it on.
 - b. Press MENU on the remote control.
 - c. Scroll to "Remote Control" in the Setup Menu.
 - d. Scroll to "RF Remote Setup (Advanced)" and press OK/Enter to enable RF remote pairing. Ensure you are NOT disabling the feature but enabling it.

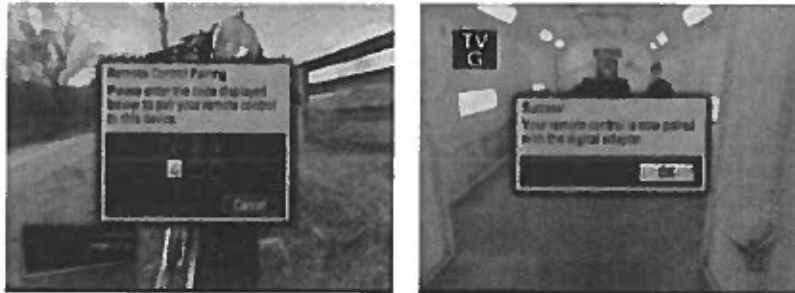


Pace DTA Remote Pairing

- e. Scroll to “IR Remote Setup (Advanced)” and press OK/Enter to disable IR remote capabilities. Ensure you are NOT enabling the feature, but disabling it.



- 4. Program the Remote Control to the TV
 - a. Point the remote control towards the DTA. Press and hold the SETUP button until the Power LED turns green, then release.
 - b. Press and release the MENU button rapidly (up to 5 times) until the Remote Control Pairing overlay appears on-screen.
 - c. Enter the three digit code that is displayed.



- d. Once the device is paired, you will see “Success!” displayed on-screen. Press OK to complete the process.
- e. Test the remote to ensure the buttons now control the TV.



Remote Button	Function
Cable Power	N/A
TV Power	TV Power
Guide	Guide
Menu	Menu
Menu Up	Channel Up
Menu Down	Channel Down
Menu Left	Left
Menu Right	Right
OK/Enter	Select
Info	Info
Exit	Exit
Page Up	Page Up
Page Down	Page Down
Vol +	TV Volume Up
Vol -	TV Volume Down
Mute	TV Mute
Last	Last Channel
CH +	Channel Up
CH -	Channel Down
0-9	Digits 0-9
LANG	N/A
SETUP	N/A

- 5. Place the DTA
 - a. After programming the remote, place the DTA in a suitable location, observing the ventilation requirements described in the safety information manual.
 - b. You can use adhesive fasteners (Velcro) to attach your DTA to the side or back of your TV.

How To Channel Scan

Channel scanning varies by TV make/model, reference your TV user guide or search the Internet for instructions specific to your TV)

1. Press the "Menu" button on your remote or search for the "Menu" from your TV
2. Go to "Setup" or "Settings"
3. Go to "Installation" or "System" or "Channels"
4. Go to "Scan channels", "Program channels", "Autoscan", "Autoprogram", or "autotuning"
5. Press "Select" or "Enter" or "OK" to start the scan

Source/Input Button on Remote

1. I cannot find the "input" or "source" button on my remote to change the input so I can play with my gaming system.

The remote does not have an "input" or "source" button. You can use the input button on your TV to change the input.

Charter Business[®]

Prior to 2/11/14

Channel	Station	Channel	Station
2	KTVI - FOX	57	National Geographic
4	KMOV - CBS	58	Animal Planet
5	KSDK - NBC	59	GSN (Game Show)
6	Home Shopping Network	60	Turner Classic Movies
7	WRBU - MyTV	61	Oxygen
8	Local Origination	62	Food Network
9	KETC - PBS	63	TruTV
10	CCIN-Charter Comm. Info Network	64	Travel Channel
11	KPLR - CW	65	E!
12	KDNL - ABC	67	LMN
13	WPXS - IND	68	BET
14	QVC	69	Comedy Central
16	CSPAN	70	TV Land
17	Univision	71	Spike TV
19	Shop NBC	72	Bravo - East
23	WGN America -	73	SyFy
24	KNLC - IND	74	Style
25	Jewelry Television by ACN	75	G4
28	USA	77	fx
29	Lifetime	78	FX Movie Channel
30	HGTV/Home and Garden Television	81	KDNL 3 - The Country Network
31	AMC	82	KETC 2 - PBS Kids
32	Nickelodeon-East	83	KETC 4 - PBS Create
33	Discovery Channel	84	KETC 3 - PBS World
34	A&E	85	KMOV 3 - MeTV
35	ESPN	86	KPLR-DT2 - This TV
36	ESPN2	87	KSDK-DT2 - WeathrPlus
37	FS Midwest	88	KTVI-DT2 - Antenna TV
38	CNN	89	Local Origination
39	HLN	90	Local Origination
40	CMT	92	Charter Media
41	VH-1	93	Charter Media
42	MTV	95	KMOV 2 - Live Well (SD)
43	Fox Sports 1	96	The Weather Channel
44	Golf Channel	100	EWTN
45	Cartoon Network	101	Inspirational Network
46	CNBC	103	Trinity Broadcasting/TBN
47	MSNBC	122	Soap Net
48	FOX News Channel	165	Hallmark Channel
49	TNT	168	OWN
50	ABC Family	183	MTV2
51	TBS	989	Edu-Higher Education Channel
52	The Disney Channel	992	Government Access
53	Disney XD	993	Government Access
54	NBC Sports Network	994	Government Access
55	TLC	996	CSPAN3
56	History	997	CSPAN2