



## Where Do I Start?

Before you begin using your remote, complete the following initial set-up tasks.

### Install the Batteries

The remote requires two AA batteries (alkaline recommended). Adapters in the battery compartment of the remote indicates proper placement of the batteries. When batteries are properly installed, the light on the remote blinks each time a key is pressed.

### Use the Quick Reference Section

Use the Quick Reference section of this guide to familiarize yourself with the remote and the functions of its various keys. Knowing the general placement of the keys on the remote will assist you when you are programming the remote.

### Program the Remote

To learn how to program your remote, refer to the sections **What Devices Can I Control**, **What Devices Do I Want to Control**, and **Program the Remote to Control My Devices** for further instructions.

### Find a Place to Store Your Remote

Keeping up with one remote is much easier than keeping up with four or five remotes. However, it is still a good idea to find a storage location for your remote. The AT460 is not a toy. It should be kept out of the reach of children under the age of 6 years.



# AT460 AllTouch IR Universal Remote Control

## User Guide

## Welcome to the Ultimate Control Experience

Your new AT460 AllTouch Infrared (IR) Universal Remote Control (remote) is a true universal remote, functioning as four remotes in one. As one example, you can use this remote to operate your set-top, TV, and two other devices, such as a DVD player and VCR.

## Important Information About Your Remote

Your remote is initially programmed to only operate your set-top. Therefore, you must program the remote to operate your TV, VCR, or other devices. See **Program the Remote to Control My Devices** to learn how to IR device with line of sight of the set-top to operate the set-top correctly.

## How Does a Universal Remote Control Work?

You tell the remote which type of device you want to operate using the four keys arched across the top of the remote. These keys are called mode keys, are labeled STB, TV, DVD, and AUX. Each mode key is associated with a specific device, such as an example, after programming the remote, if you want the remote to operate your TV, then you must press the TV mode key. When you press on the remote, the remote's sensor emits an infrared beam that carries the remote's commands to the device you want to control. In this guide, you will see how to program the remote to control your specific devices.

## Refer to the code tables at the end of this guide to locate additional programming codes.

Note: You have the option to assign some remote keys to operate one device type only. For example, you may want to assign volume control to the TV. Only in this case, you can reprogram power, volume, and channel buttons using procedures found later in this guide.

### Assigning a Device Code to a Mode Key

1. Refer to the code tables at the end of this guide to locate the information for the device you want to program.

Note: If your device is not listed, you may be able to program the remote using the Auto-Search function. Go to **What If None of the Codes Work?** for instructions.

2. Turn on the device that you want to assign a mode key to.

3. Press and hold the appropriate mode key (TV, DVD, or AUX) on the remote, and then press and hold the device's power button.

4. Release both keys and the mode key blinks twice.

5. Enter the first 4-digit setup code for the device using the numeric keys (0-9) on the remote. The mode key blinks three times to indicate that the code entry was accepted.

Note: When an invalid code is entered, the selected mode key displays a long flash to indicate that the code was not the code correctly.

• Should the remote time-out before you complete the code setup, you must start over. This is indicated by one long flash of the red LED.

6. Point the remote at the device, and press **POWER** to turn the device off.

• If you write this code number in the table found in this guide, you may need it again if the device code is accidentally erased.

• If you repeat this procedure from step 3 using a different mode key, you may assign the same code to more than one of the codes listed for your brand of device. operate the device control; you may want **What If None of the Codes Work?** for instructions.

8. Repeat this procedure for each mode key you want to program.

## What If None of the Codes Work?

If none of the codes listed for your brand of device operate the device correctly, or if your device is not listed in the code table, you can use the Auto-Search function to search through the code library for a valid code. This section provides procedures for using the Auto-Search function to search the code library for TV, DVD, and AUX mode codes.

Note: Read the procedures in this section thoroughly before beginning. You need to be prepared to observe the behavior of the remote.

### Auto-Search Features

Consider the following items when using Auto-Search:

• The Auto-Search function begins searching from the first code.

• If a valid code is not found, the green backlight blinks twice and the remote returns to normal operation.

• If any other key is pressed (except **PLAY**, **ENTER**, **POWER**, **REW**, **FF**, or numeric keys 1 through 4) when programming the AUX mode key, the remote returns to normal operation (no message) and the remote returns to normal operation.

• Should the remote time-out before you complete the Auto-Search function, you must start over. This is indicated by one long flash of the red LED.

• If the device is not listed and the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

## Auto-Searching the Code Library for TV or DVD Mode Codes (Program Code 922)

Note: This procedure only applies to TVs and DVDs.

1. Turn on the device that you want to assign to the TV or DVD key.

2. Point the remote at the device.

3. Press and hold while a selected mode key (TV or DVD), press the OK key, for example, to search for a TV code, press and hold TV and OK at the same time.

4. Release both keys and all the mode keys blink twice.

5. Enter the programming code 9 2 2 by pressing the numeric keys on the remote. The mode key you selected in step 3 blinks twice to indicate a successful entry.

6. Point the remote toward the device, and press **POWER**.

7. Your device powers off when it finds the correct code. Then, choose one of the following options:

• **Save code and exit** - Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.

• **Step forward** - Press the fast-forward (FF) key on the remote to step ahead through the codes one at a time. Then, return to step 6.

• **Step backward** - Press the rewind (REW) key on the remote to step backward through the codes one at a time. Then, return to step 6.

• **Exit without saving the code** - Press the **EXIT** key on the remote. The selected mode key flashes three times and returns to normal operation.

• **Send the current code** - Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 6.

• **Continue with auto-search function** - Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 6.

## Auto-Searching the Code Library for AUX Mode Codes (Program Code 922)

Note: This procedure only applies to TVs and DVDs.

1. Turn on the device that you want to assign to the AUX key.

2. Point the remote at the device.

3. Press and while holding the AUX key, press the OK key.

4. Release both the AUX key and the OK key and all the mode keys blink twice.

5. Enter the programming code 9 2 2 by pressing the numeric keys on the remote. The AUX key blinks twice to indicate a successful entry.

6. Press the **PLAY** key, choose one of the following device categories and, using the numeric keys on the remote, enter the device code (enter 1-4) based on the following list:

1 - Receivers

2 - Hi-Fi/Hi-Fi Tuners

3 - Amplifiers

4 - Hi-Fi Tuners

Note: The device categories are number-coded to provide a more direct programming method.

7. Point the remote toward the device, and press **PLAY**.

Your device powers off when it finds the correct code. Then, choose one of the following options:

• **Save code and exit** - Press the **ENTER** key on the remote to program the code in the remote and the mode key flashes three times indicating successful entry.

• **Step backward** - Press the fast-forward (FF) key on the remote to step ahead through the codes one at a time. Then, return to step 7.

• **Step forward** - Press the rewind (REW) key on the remote to step back through the codes one at a time. Then, return to step 7.

• **Exit without saving the code** - Press the **EXIT** key on the remote to exit.

• **Send the current code** - Press the **POWER** key on the remote to send the current code. If the device turns back on, press the **ENTER** key. If the device does not turn on, return to step 7.

• **Continue with auto-search function** - Press the **PLAY** key on the remote to continue with the auto-search function. Then, return to step 7.

## Reassign Mode Keys

You can reassign a mode key to operate a different device. For example, you can reassign the AUX key to operate a DVD player or a TV. You reassign a key, be sure you know the remote's return-to-normal operation.

## Reassigning Mode Keys (Program Code 944)

Note: This procedure only applies to the TV and DVD mode keys.

1. Without releasing the STB key, press and hold the OK key.

2. Release both the STB mode key and the OK key.

3. Release both the STB key and all mode keys flash twice.

4. Enter the programming code 9 4 4 by pressing the numeric keys on the remote. The STB mode key blinks twice indicating a successful entry.

5. Press and release the mode key associated with the type of device you want to control, and then press and release the mode key that you want to change. The newly assigned mode key blinks one time indicating a successful entry.

## LED Indicators

Note: These keys are programmed to the TV when the TV mode keys are assigned with a valid code.

Adjusts volume

Mutes sound

Enters channel numbers, text, and numeric codes. Also use to enter parental control PIN.

Clears text and numbers in text fields

Enters and saves (stores) an entry. Sizes the picture for some high-definition television (HDTV) modes.

## What Devices Do I Want to Control?

To help you keep track of the devices you want to control, list the type of devices you have (including but not limited to the following). Then, refer to the end of this guide to locate the keys for your device. For example, under the **Receivers** category, if you program the remote to operate your TV, you must assign the TV mode key to the device. You must reassign the TV, DVD, or the AUX key. The STB key cannot be reassigned. Go to **Reassign Mode Keys** section of this guide for additional instructions.

Mode Key	Type	Brand	Code
Example: DVD	DVD	Sony	2066

TV

DVD

AUX

Each mode key is associated with different devices of its associated device. You can use each mode key to control one of its associated devices.

**Mode Key** - Associated Devices

- STB** TV (including HDTVs)
- DVD** DVD players
- AUX** VCRs, receivers, tuners, and Home Theater in a Box (HTIB)

\* These keys can be reassigned to control different devices. Go to the **Reassign Mode Keys** section of this guide for instructions.

Some common examples:

• To program the AUX key to operate your DVD player, press DVD and then press TV.

• To program the DVD key to operate your TV, press TV and then DVD.

## Change Volume Control

By default, on the TV mode key is programmed with the volume control function. However, you can reassign the TV. These keys adjust the volume of your TV higher, lower, or temporarily switch the volume of the device to which it was reprogrammed in the TV, DVD, or AUX mode.

If you prefer, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want the volume and mute buttons to control the TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume Control** section below.) Note: The volume control function will not work on some devices, such as an STB and DVD.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want the volume and mute buttons to control the TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume Control** section below.) Note: The volume control function will not work on some devices, such as an STB and DVD.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want the volume and mute buttons to control the TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume Control** section below.) Note: The volume control function will not work on some devices, such as an STB and DVD.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want the volume and mute buttons to control the TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume Control** section below.) Note: The volume control function will not work on some devices, such as an STB and DVD.

## Controlling Volume for One Device (Program Code 955)

1. Press and hold the STB mode key on the remote.

2. While releasing the STB key, press and hold the OK key.

3. Release both keys and all mode keys blink twice.

4. Enter the programming code 9 5 5 by pressing the numeric keys on the remote. The STB mode key blinks twice indicating a successful entry.

5. Press and release the mode key that you want to control volume through your TV, press and release the mode key that you want to change three times to indicate a successful entry.

The volume keys are now controlled only one device when in STB, TV, DVD, AUX mode.

## Controlling Volume for Different Devices (Program Code 955)

1. Complete steps 1 through 4 of the **Controlling Volume for One Device** procedure.

2. Press and release the **ENTER** key. The STB mode key blinks three times to indicate a successful entry.

After you press the **ENTER** key, the volume control function is assigned to that mode key. For example, in the TV mode, the volume keys control volume for the TV only.

Note: If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.

• If the remote times out before you complete programming volume control, the remote does not accept any changes. You must start over from step 1 of this procedure.

## Change Channel Control

The remote is set by default to control channel selection on the set-top. You can reassign the channel control to control any of the TV, DVD, or AUX mode keys on the remote. The STB mode key is always assigned to the set-top channel assignment. Or, you can set the channel selection control programming to control channels on the TV, DVD, or AUX mode keys. The remote is programmed in the four mode keys. Otherwise, you can only control the channel assignment on your TV, press and release TV. The selected mode key blinks three times to indicate a successful entry.

Note: The channel control keys include CH/PAge, Jump, and the numeric keys 0 through 9.

## Controlling Channels for One Device (Program Code 966)

1. Press and hold the STB mode key on the remote.

2. Without releasing the STB key, press and hold the OK key.

3. Release both keys and all mode keys blink twice.

4. Enter the programming code 9 6 6 by pressing the numeric keys on the remote. The STB mode key blinks twice indicating a successful entry.

The channel key now always controls the device associated with the mode key you selected in this procedure, whether in STB, TV, DVD, or AUX mode.

## Controlling Channels for Different Devices (Program Code 966)

1. Complete steps 1 through 4 of the **Controlling Channels for One Device** procedure.

2. Press and release the **ENTER** key. The STB mode key blinks three times to indicate a successful entry.

After you press the **ENTER** key, the channel key now controls the device associated with the mode key you selected in this procedure. For example, in the TV mode, the channel key controls the TV. But in STB mode, the channel key controls the set-top.

Note: If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.

• If the remote times out before you complete programming channel selection, the remote does not accept any changes. You must start over from step 1 of this procedure.

## Change Power Control

The POWER key on the remote is set by default to control the power switch on the set-top. In either mode (STB, TV, DVD, or AUX), when in STB mode, the remote will cause the set-top to turn OFF (standby mode) ON, or from ON to OFF (standby mode) OFF. Or, you can alternatively program the POWER key to control the power switch on any of our devices at the same time, instead of controlling the device at all times. It is highly recommended that you set up the POWER key to turn on and off your set-top and your TV at the same time. Turning off the set-top will cause the TV to turn off. If the set-top is turned off, the set-top can still record scheduled programs on its DVR and perform other necessary functions.

Alternatively, you can choose to have the volume and mute buttons control different devices when the remote is in different modes. For example, you might want the volume and mute buttons to control the TV mode, but the volume on your home theater receiver when in AUX mode. (See **Controlling Volume Control** section below.) Note: The volume control function will not work on some devices, such as an STB and DVD.

## Controlling Power for Multiple Devices at Once (Program Code 977)

1. Press and hold the STB mode key on the remote.

2. Without releasing the STB key, press and hold the OK key.

3. Release both keys and all mode keys blink twice.

4. Enter the programming code 9 7 7 by pressing the numeric keys on the remote. The STB mode key blinks twice to indicate a successful entry.

5. For the first device, press the STB key. The STB mode key blinks twice.

6. For the second device, press the applicable mode key (STB, TV, DVD, or AUX). The selected mode key blinks twice.

7. Repeat step 6 for up to two more devices (total of four devices).

8. Press the **ENTER** key to complete the power switch control programming. The last selected mode key blinks three times to indicate a successful entry.

Example: In an example scenario where you control both TV in steps 8 and 9, the DVD key controls both the set-top and the TV at the same time, regardless of which mode the remote is in (STB, TV, DVD, or AUX).

## Controlling Power for One Device at a Time (Program Code 977)

1. Complete steps 1 through 4 of the **Controlling Power for Multiple Devices at Once** procedure.

2. Press and release the **ENTER** key to complete the power switch control programming. The last selected mode key blinks three times to indicate a successful entry.

After you set a mode, the POWER key controls the device assigned to that mode. For example, in TV mode, the remote controls power for the TV only.

Note: If any other key is pressed except the Mode keys and the **ENTER** key, the remote does not accept any changes or updates. The STB mode key displays a long red flash and the remote returns to normal operation.

• If the remote times out before you complete programming power switch control, the remote does not accept any changes. You must start over from step 1 of this procedure.

## Put Back the Way I Got It

You can return all advanced functions back to their original settings by reselecting the remote to factory default settings. Reselecting the remote to factory default settings removes all of the programming you have entered for the remote. You must reprogram the remote to restore your original settings.

## Resetting the Remote to Factory

### Default Settings (Program Code 900)

1. Press and hold the **STB** mode key on the remote.

4. Enter the programming code **900** by pressing the **STB key** and the remote displays the **OK** key.

3. Release both keys and all mode keys at one time.

4. Enter the programming code **900** by pressing the remote mode key to activate a long burst and the remote displays the **OK** key.

5. If the remote times out before you complete the factory default reset procedure, the remote does not accept any codes. You must start over from step 1 of this procedure.

## Troubleshooting

If there are no responses when you press the keys on the remote, please check the following items before calling for service:

### Check the battery's condition

- Are the batteries inserted correctly?
- Check the battery condition for leakage.
- Replace with new alkaline batteries.

### Check the Device

• Is the device's power cord connected to the power outlet?

• Is the device switched on?

### Check the IR Switchcode Codes List

- Is the device brand name for the device listed in the code list?
- If yes and there is more than one code listed, try using a different code to provide more functionality.
- If no, by trying a different code to find a usable code.
- Use the Auto-Search function to find a code.
- If the Auto-Search function is unable to find a usable code, you may need to use the original remote provided with the device.

## Code Tables

If remote does not recognize your device, you can find codes for your device by brand name. Code tables in this section are organized by the devices assigned by each remote (TV, DVD, VCR).

### TV Mode Group

TV	Code
Ampex	1009 1020 1023
Amstron	1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 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1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 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