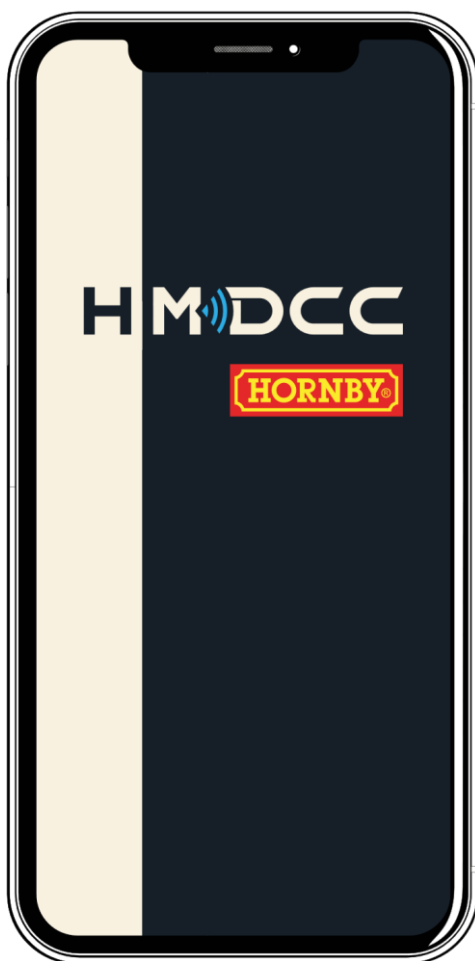


HM | DCC & HM7000 – Text Tutorials



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1. HM | DCC & HM7000 - First Setup

Welcome to HM | DCC, your new digital control system.

Firstly, make sure that the instructional manuals within your decoder and locomotive pack have been followed, ensuring your decoder is installed correctly and your locomotive is powered on your layout ready for the HM | DCC app to connect.

Ensure your Bluetooth® & Wi-Fi are turned on in your device settings and you are connected to the internet.

Download the HM | DCC application using the QR code shown on the instructions, or search for “HM DCC” in your app store.

Once the download is complete, open the HM | DCC app on your device.

Accept **ALL** permissions* to ensure your application works correctly with your hardware. These can be altered within your device settings at any time.

*Android users must ensure that Location Services, Bluetooth® access and Nearby device scanning (device dependent) are granted. HM | DCC will not connect to HM Devices without these permissions granted. Depending on your Android device, certain permissions may not be available for accepting on HM | DCC app launch; if this is the case, you will need to go into your Android device settings and grant these permissions for the HM | DCC app.

You will require a Hornby.com account to use the HM | DCC application. If you already have a Hornby.com account, tap the **Login** button, enter your details, and then tap the **Sign In** button.

If you do not already have a Hornby.com account, tap on the **Sign Up*** button and you will be redirected to the Hornby website where you will be able to create an account. Once your account has been verified, please use the same details to login to the HM | DCC app.

*Versions of the HM | DCC may have the exclusion of the Sign Up button. In this case, please visit: <https://uk.hornby.com/community/login/register>

Once logged in, tap on **Link Device**.

Tap on **Start Scan** and wait for the scan to finish. You should notice your decoder (HM7000-__ __ __) pop-up under the **Ready to Link** section.

If your device has not been found, please ensure that your locomotive is powered correctly and tap **Restart Scan**.

Tap on your decoder (HM7000-__ __ __) and allow the **Device Link** process to complete. Please note, you may be prompted to update your decoder if it is not updated to the latest version. For your decoder to work correctly with HM | DCC you must ensure your decoder is updated to the latest version. If you are presented with the essential update screen, please place your phone or tablet down next to your locomotive and tap the **Start Update** button. Please allow a few minutes for the update(s) to complete, then tap the **Done** button.

Please then **Power-Cycle** your decoder by removing the locomotive from the track, waiting 5 seconds, and replacing the locomotive. If you have a **Power Bank** installed, you will have to wait up

to 60 seconds for your HM7000 to power down. Once power is restored to your locomotive, your HM7000 will auto-reconnect to HM | DCC within 15 seconds.

You may be prompted to install the **Function Map** for the **Profile** that is installed on your locomotive. It is always advised to do this as it will pre-setup the sound, lighting, and motor **Functions** for your control.


Once connected, tap on the **Control** '  ' button on the bottom toolbar. Your locomotive is ready to control.

Please continue to view **HM | DCC – Basic Locomotive Settings** If you wish to setup your locomotive with a name, an image and tinker with sound, inertia, and CV Settings.

2. HM | DCC & HM7000 – Basic Locomotive Settings

Welcome to another tutorial for HM | DCC, in this tutorial we will look at basic locomotive settings within the HM | DCC app and how to use them.

Firstly, ensure **HM | DCC & HM7000 - First Setup** has been followed and your decoder is connected to HM | DCC.

Tap on the **Control**  button on the bottom toolbar and then tap the **Locomotive Settings** button. Ensure the **DATA** column is selected on the top toolbar – These are your *basic* locomotive settings.

Change the image for your locomotive by tapping the **Edit** button.

Tap **Take Photo** to use your device camera, ensuring that camera access is granted. Take your desired photo and then tap **Use Photo (iOS)** or **Confirm**.

Alternatively, to get the perfect image, tap the **Import** button to choose an image from your device library. Tap **Choose (iOS)** or **Confirm** and your image will be inserted.




Remove any previously chosen image by tapping the **Remove Image (iOS)** button.

When your HM7000 is connected to HM | DCC, you can alter the locomotive address by tapping on the field to the *right-hand side* of **Loco Address**. Key in the desired address with your device's number pad. The address will instantly be written to your locomotive's HM7000 decoder. Please note: **Loco Address** is not required for **Bluetooth®** control but is necessary for **DCC** control. It is good practice to have a different address for each of your locomotives.

You can change the name of your locomotive by tapping the field to the *right-hand side* of **Name** and typing in your desired locomotive name with your device's keyboard.


When your locomotive's HM7000-TXS decoder is connected to HM | DCC, the control mode will automatically switch to **Bluetooth®** mode. You can alter the **Control Mode** of your locomotive's HM7000-TXS decoder by tapping on the **Bluetooth®** button for wireless control and **DCC** for use with digital DCC controllers such as the Hornby Elite, Select or eLink controllers. Only motor and function control will be changed, allowing you to still be connected to the HM | DCC app to change CV settings whilst controlling motor and functions on your DCC controller; it is good practice to only use the faster method of using the HM | DCC app to alter **CV Settings** in this scenario.

Please note: Out of the box, HM7000 will be set to **DCC** mode (CV12: 0). On first **Device Link** with HM | DCC, your decoder will automatically switch to **Bluetooth®** mode (CV12: 0).

If you wish to remove your locomotive from the **Control**  screen, you can tap on the **Inactive** button, your locomotive will continue to appear in the **Engine Shed** within the HM | DCC **Settings**  screen. If you wish for your locomotive to appear in the **Control**  screen, ensure that the **Vehicle State** is set to **Active** and a decoder is assigned to your locomotive. When you first link

your decoder, you will automatically be assigned a locomotive. You can **Unassign** a decoder from a locomotive by tapping on the **Decoder Setup** box and tapping on **Remove Assigned Decoder**. Your decoder will then be ready to assign to another locomotive in your **Engine Shed** on the **Settings** ‘



screen. Tap on your locomotive you wish to assign the free decoder to and tap on the **Decoder Setup** box, then tap on the decoder you wish to assign to your locomotive. Providing the **Vehicle State** is set to **Active**, your locomotive will appear on the Control ‘’ screen.

When your HM7000 is connected to HM | DCC, you can alter your locomotive’s **Acceleration & Deceleration Rate** by moving the slider bars to the desired values. Tap and hold your finger on the screen and move your finger up and down to pan the screen.

Any values altered on the slide bars will instantly be updated on your locomotive’s HM7000 decoder and settings can be altered whilst your locomotive is on the move. A higher value for the rate of acceleration and deceleration will mean your locomotive takes longer to speed up and slow down.

You can alter the sound volume of your locomotive’s sounds by moving the **Global Volume** slider bar to the desired value. A smaller value will mean more quiet locomotive sounds.

If you wish to delete your locomotive from HM | DCC, you first must remove your assigned decoder from your locomotive as shown previously. If there is no decoder assigned to your locomotive, then at the bottom of the **Locomotive Settings** screen, tap on the **Delete** button and then tap **Yes**. Your decoder will still be linked to HM | DCC and will not be deleted.

Please continue to view **HM | DCC & HM7000 – Advanced Locomotive Settings** If you wish to learn how to change **CV settings** and **Function Maps** for your HM7000 fitted locomotive.

3. HM | DCC & HM7000 – Installing (Sound) Profiles

At launch, ALL locomotive (Sound) Profiles are FREE. Each “**Profile**” includes a set of lighting functions, sounds* and motor control functions based on your class of locomotive.

- *TXS sounds are only available for HM7000-TXS sound decoders.

If your locomotive is **DCC Fitted** with a HM7000 at the point of purchase, you will have pre-installed on your HM7000 decoder a **Profile** that is best suited to that locomotive. If you have purchased a HM7000-TXS decoder separately, you will have a *Default Profile* installed (SD999).

If you wish to try a new **Profile**, this will require the **Profile** to be installed via the HM | DCC app.


Firstly, ensure **HM | DCC & HM7000 - First Setup** has been followed and your HM7000 fitted locomotive you wish to update is stationary. Ensure that your HM7000 fitted locomotive you wish to update the **Profile** for is the only locomotive on the rails. It is good practice to **Power-Cycle** the entire layout from the main supply and ensure that no short-circuits are present.

Ensure that your phone or tablet has Wi-Fi turned ON and your internet connection is stable. Wi-Fi is required for the full duration of the **Profile** installation from the HM | DCC app to your HM7000 decoder.

The installation screen is required to be always on when updating your HM7000, therefore it is advised to alter your phone or tablet settings to make sure your screen is set to **Do Not Disturb**. This will ensure that the installation is not interrupted*. Instructions on how to do this are available from your phone or tablet’s support website.

- *It is always advised to leave your phone or tablet stationary on the HM | DCC app during the entirety of the installation process.

If the screen turns off the HM | DCC app, the installation will pause. But, returning to the HM | DCC app will resume the installation process.

Tap on the **Control**  icon. Then, for the locomotive you wish to update the **Profile** for, tap on **Locomotive Settings**. Scroll down to the bottom of the screen and tap **Browse Profiles**. This will pre-fill your locomotive and HM7000 decoder, ready for install of a new **Profile**.


Alternatively, you can tap on **Profiles** on the **Settings**  screen.

Browse the **Profiles** screen and choose a **Profile**. You can scroll through different **Profiles** by holding your finger on the screen and moving it side to side. Pick the right scale (00 or TT) to ensure your HM7000 is calibrated to the motor in your locomotive once the **Profile** install is complete. The scale is featured in the top-right of each **Profile**.

Tap on the **Profile** you wish to install to open the **Manage Profile** screen. Tap on the **Preview Functions** button to view the **Function Map** and list of **Functions** you are about to install. Tap on **PAGE 2** and **PAGE 3** at the top of the screen to view all **Functions**.

Tap up on the top-left to go back to the **Manage Profile** screen.

Under **Decoder Selection**, make sure your decoder you wish to update is listed. If it isn't, tap on the **Decoder Selection** box and select the correct Locomotive and HM7000 decoder you wish to update. They will be named accordingly based on your Locomotive **Name** and **Address** (#). In the top-right of the **Decoder Selection** box, the **Sound Download SKU** 'SD###' will show what **Profile** is currently installed on your HM7000 decoder.

Ensure that your HM7000 decoder is connected to HM | DCC and the Bluetooth® icon  is **BLUE** and your locomotive and HM7000 decoder are powered.

Place your phone or tablet around 3-6 inches away from your stationary locomotive, tap on the **Install Locomotive Profile** button and then tap on the **Proceed** button.


Please allow up an average of *15 minutes* for the new **Profile** to install. It may take longer based on your phone or tablet. It is advised to keep your phone or tablet still and plugged into mains power during the entire installation process.

Once the installation is complete, please **Power-Cycle** your decoder by removing the locomotive from the track, waiting 5 seconds, and replacing the locomotive. If you have a **Power Bank** installed, you will have to wait up to 60 seconds for your HM7000 to power down. Once power is restored to your locomotive, your decoder will auto-reconnect to HM | DCC in an average of around 5 seconds. This will activate the new **Profile** for use.

You may be prompted to choose if you would like to **Import** the **Function Map** for your newly installed **Profile**. It is advised to **Import** the new **Function Map** to ensure that all your **Functions** work properly with the new **Profile**. If you are not pre-prompted, you can tap on the **Import Function Map** at the bottom of the **Manage Profile** screen of the **Profile** you have just installed.

Please note: The **Import** of the new **Function Map** will replace any previous **Function Map** for your locomotive. If you wish to keep your existing **Function Map**, please first use the **Export Function Map** feature on your **Locomotive Settings** screen before any new **Profile** install.

You can view what **Profile** is installed onto a HM7000 decoder on the **Manage Device** screen and view the **Profile SKU** code.

Tap on the **Control**  icon and begin controlling with your new **Profile**.


If you wish to take things further and perfect running for your class of locomotive, you can also tap on **Import Running Profile** on the **Manage Profile** screen for a given **Profile**. Ensure that the correct scale is chosen for your locomotive before **Running Profile** import.

If you experience any issues when installing a new **Profile** or receive any app alerts of trouble with your decoder; please ensure no short-circuits are present and your locomotive is the only locomotive on the rails. Then, try reinstalling the **Profile** a few times, performing a Power-Cycle before each try. If issues still occur, please read the troubleshooting section on the Hornby.com website, or alternatively contact HM.customercare@hornby.com for specialised assistance.


4. HM | DCC & HM7000 – Unlink & Delete HM7000 from your phone or tablet


In **HM | DCC & HM7000 - First Setup**, we explored linking your HM7000 to HM | DCC. This locks the HM7000 to your phone or tablet, ensuring no other users can control your locomotive. Another phone or tablet can **Reset** the HM7000 by inputting the 12 Digit **Device Reset Passcode** on the **Link Device** screen. Please see HM | DCC & HM7000 – Reset your HM7000 for information on how to do this.


For now, it is vital that for each HM7000 decoder connected to HM | DCC, you note down the 12 Digit **Device Reset Passcode(s)**.

To do this, double tap on the **Settings**  icon, then tap on **Export Device Reset Codes**. Then, save the **Device Reset Codes** using an appropriate app (**Notes** etc), or send them to a trusted friend in a message or email. This will allow you to always **Reset** your decoder back to **Default Settings**.

If you wish to pass on your HM7000 to a friend, you will first need to **Unlink** your HM7000 from HM | DCC.

If your HM7000 decoder is **Assigned** to a locomotive, tap on the **Control**  button on the bottom toolbar and then tap the **Manage Device** button for the HM7000 you wish to **Unlink and Delete** from your phone or tablet.

Alternatively, double tap on the **Settings**  icon, tap on **Manage Devices** and then tap on the HM7000 decoder you wish to **Unlink and Delete** from your phone or tablet.

Ensure that your HM7000 decoder is connected to HM | DCC and the Bluetooth® icon  is **BLUE** and your locomotive and HM7000 decoder are powered.

Tap, hold, and move your finger to scroll down to the bottom of the **Manage Device** screen.

Please note: You cannot **Unlink & Delete** your HM7000 decoder from your phone or tablet if it has a locomotive **Assigned** to it. Tap on **Unassign** in the **Assigned Vehicles** box to remove your HM7000 from your locomotive. Your locomotive will be placed in your **Engine Shed** ready for a different decoder to be **Assigned** to it.

Tap on **Unlink & Delete Device**.

Tap on **Proceed** to remove your decoder from your phone or tablet, this will also perform a **Reset** on the decoder, setting it back to **Default Settings**. Please note: **CV Settings** will be reset to **Default(s)**, but the **Profile** on the decoder will not be removed on a **Reset***.

- *This also allows you to install a (Sound) **Profile** for a friend if required.

Once the **Unlink & Delete Device** process is complete, please **Power-Cycle** your decoder by removing the locomotive from the track, waiting 5 seconds, and replacing the locomotive. If you have a **Power Bank** installed, you will have to wait up to 60 seconds for your HM7000 to power down.

The HM7000 will now be ready to **Device Link** to another phone or tablet.


Please note: If you wish to set your decoder back to **Factory Settings**, please install the **Default Profile** (SD999) to your HM7000-TXS or **Default Profile** (SD998) to your HM7000-6/8 and then proceed to **Unlink & Delete Device** from your phone or tablet.

If any issues occur, please read the troubleshooting section on the Hornby.com website, or alternatively contact HM.customercare@hornby.com for specialised assistance.

5. HM | DCC & HM7000 – Reset your HM7000

In **HM | DCC & HM7000 - First Setup**, we explored linking your HM7000 to HM | DCC. This locks the HM7000 to your phone or tablet, ensuring no other users can control your locomotive.

It is vital that for each HM7000 decoder connected to HM | DCC, you note down the 12 Digit **Device Reset Passcode(s)**.

To do this, double tap on the **Settings**  icon, scroll the bottom of the screen and then tap on **Export Device Reset Codes**. Then, save the **Device Reset Codes** using an appropriate app (Notes etc), or send them to a trusted friend in a message or email. This will allow you to always **Reset** your decoder back to **Default Settings**.


Deleting the HM | DCC app from your phone or tablet will reset the entire app back to **Default App Settings** and any locomotives and **HM Devices** stored will be lost.

Please note: Your HM7000(s) will remain locked to the previously deleted version of the app. Therefore, before deleting the HM | DCC app it is always advised to perform the **Unlink & Delete Device** process for all HM7000 decoders first. Please see the [HM | DCC & HM7000 – Unlink & Delete HM7000 from your phone or tablet](#) section for advice on how to do this.

If this cannot be done, the HM7000 decoders can be **Reset** back to **Default Settings** to allow you to **Link** them back to the HM | DCC app. You will need your 12 Digit **Device Reset Passcode(s)** at hand to do this for each of your HM7000 decoders.

If you have lost your **Device Reset Passcode(s)**, please contact HM.customercare@hornby.com where a 1-use **Device Reset Passcode** can be provided for you for each decoder you wish to **Reset**.

Ensure your Bluetooth® & Wi-Fi are turned on in your phone or tablet settings and you are connected to the internet.

To **Reset** a HM7000 decoder, double tap the Settings  Icon.

Tap on **Link Device**.

Tap on **Start Scan** and wait for the scan to finish. You should notice your decoder (HM7000-____) pop-up under the **Resettable Devices** section.

If your device has not been found*, please ensure that your locomotive is powered correctly and tap **Restart Scan**.

*Ensure that the HM7000 is not connected to another previously used phone or tablet, you can temporarily turn off Bluetooth® on any other phone or tablet to ensure this does not happen. If the HM7000 decoder is connected to another phone or tablet, the **Scan** process will not find the decoder to **Reset** or **Link** to.

Tap on your decoder (**HM7000-__ __ __**) and a **Reset Device** prompt will appear. Insert your 12-Digit **Device Reset Passcode** for your decoder. Each reset code will be specific to each HM7000 decoder. If the **Reset** process fails, ensure that you check the 4-Digit code (HM7000-__ __ __) at the end of your HM7000's name correlates to the correct 12-Digit **Device Reset Passcode** previously saved. Also, ensure your Bluetooth® & Wi-Fi are turned on in your phone or tablet settings and is connected to the internet.

Once the **Reset** is complete, please **Power-Cycle** your decoder by removing the locomotive from the track, waiting 5 seconds, and replacing the locomotive. If you have a **Power Bank** installed, you will have to wait up to 60 seconds for your HM7000 to power down.

Your HM7000 will now be **Reset** and ready to **Device Link** to any phone or tablet.

Please note: *Another* phone or tablet can **Reset** the HM7000 by inputting the 12 Digit **Device Reset Passcode** on the **Link Device** screen. This will **Unlink** the device from any currently **Linked** phone or tablet. Please note: This will not Delete the HM7000 decoder from HM | DCC and will cause it to *desync*. If this occurs, you can tap on the **Unlink & Delete Device** function on the **Manage Device** screen for your HM7000. This will fail due to the HM | DCC app trying to find a HM7000 that is no longer **Linked**. But, after the 3rd attempt a **Force Delete** button will be available.



Tap on the **Force Delete** button at the bottom of the screen to remove the HM7000 decoder from HM | DCC.

It is always advised to use the **Unlink & Delete Device** function prior to *another* phone or tablet **Resetting** or **Device Linking** to the HM7000 decoder.

If any issues occur, please read the troubleshooting section on the Hornby.com website, or alternatively contact HM.customercare@hornby.com for 1-use **Device Reset Passcode(s)** for your HM7000 and specialised assistance.

6. HM | DCC & HM7000 – Function Map Setup

Firstly, ensure **HM | DCC & HM7000 - First Setup** has been followed and your decoder is connected to HM | DCC.

Tap on the **Control** '  ' button on the bottom toolbar. You will notice that when the **Device Link** to your HM7000 has completed and you have tapped **Yes** on the **Function Map Import** prompt, the correct **Functions** will be present and ready to use on the **Control** '  ' screen under **Function Control**.


This is your **Function Map** and features a *profile* of **Function Buttons**. A “*profile*” includes a set of lighting functions, sounds* and motor control functions based on your class of locomotive and the **Profile** installed on your HM7000 decoder.


If your decoder has been purchased separately to your locomotive, you will have pre-installed on the HM7000 decoder a Default Profile (SD999).

- *TXS sounds are only included on HM7000-TXS sound decoders.

If your decoder is pre-fitted into a locomotive when purchased, you will have pre-installed on your HM7000 decoder a **Profile** that is best suited to that class of locomotive.

If you wish to change the locomotive profile on your decoder, please follow the instruction in **HM | DCC & HM7000 – Installing (Sound) Profiles**.

when on the **Control** '  ' screen, you can easily change the pre-set **Function Control Map** by tapping on **Locomotive Settings** and then tapping the **FUNCTIONS** column on the top toolbar.

You can move your **Function Button(s)** by pressing and holding a **Function Button** and moving it to the desired place. These changes will take effect on your **Control** '  ' screen.

Tap on a **Function Button** to go to **Edit Function** screen. Here you can alter settings for the chosen function.

Under **Function Setup**, you can alter the **Name** of your **Function** by tapping on the field to the right-hand side and entering a new **Name** with your phone or tablet's keyboard.

Your HM7000 decoder will have in-built on the decoder a set of **Functions** (0 – 28). If you wish to alter what **Function** is activated on the **Function Button** press, please type in the desired number (0 – 28) to the right-hand side of the '**Function (0 – 28)**' field. For further information of the list of **Functions** for each **Profile**, please refer to **HM7000 Series Decoders Reference Manual**.

You can alter the way the button is set on your HM | DCC app for the respective Function by tapping on **Switch** (Toggle), **Push-Button** (Momentary) and **Timed** (Switch-Toggle, for a set amount of time).

For **Functions** you wish to stay on, when you press the **Function** Button, it is advised to select **Switch**.

For **Functions** you wish to turn off when you release your finger, it is advised to select **Push-button**.

If you select **Timed**, this will open a **Timer Interval** field. Enter how many seconds you would like the **Function** to stay on for. On tapping the **Function Button**. This will activate the **Function** for the set amount of time input.

You can tap the **Icon** to the right-hand side of the **Icon** field to select from a list of desired icons that best suit your **Function**.

You can turn off the **Function Number** by tapping on the **GREEN** switch icon for your **Function**.

You can test your **Function** works by tapping on the **Test Function** button.


You can clear the **Function** button completely by tapping on **Clear Function Setup**.

Once finished, tap on the **< Back** button in the top-left of the screen to go back to your **Function Map Setup** screen. If you notice a **Spanner** icon, you can edit this by tapping on it. but if left as the **Spanner** icon, the **Function** Button will appear blank and unusable on your **Function Map** on the



Control '  ' screen.


7. HM | DCC & HM7000 – Advanced CV Editor

Firstly, ensure **HM | DCC & HM7000 - First Setup** has been followed and your HM7000 decoder is connected to HM | DCC.

Tap on the **Control**  button on the bottom toolbar and then tap on **Locomotive Settings** for the desired locomotive you wish to alter **CV Settings** (Configuration Values) for.

On the top toolbar, tap on **ADV. CV EDITOR**. This is where you can alter all the **CV Settings** on your HM7000 decoder.

On entering the **ADV. CV EDITOR**, it is always advised to tap on the **Refresh**  button in the top-right of the **ADV. CV EDITOR** table or the **Refresh CV Data**  button to ensure that the **Values** are up to date. All **CV Settings** should be updated within *12-18 seconds*.


If a **CVs Out of Sync** prompt appears, please tap the **Refresh**  button to ensure your **CV Settings** are correct.

Once your **CV Settings** have been refreshed, a list will be populated of all the available **CV Settings** that can be altered on your HM7000 decoder.

On each row of the **CV Settings** list, in the top-left is the **CV Number** (CV#). Underneath is the name of the **CV Setting** and on the right-hand side is the *current Value*. Please see the **HM7000 Series Decoders Reference Manual** for full explanation of each **CV Setting** and their **Default Values**.

You can tap on a particular **CV Setting** row and a pop-up prompt will appear. Certain **CV Settings** will only provide a set of **Options**, whilst other **CV Settings** will allow you to alter **Values** within a certain range using a Slider Bar.


You can also tap on the '-' and '+' buttons in the top-left and top-right of the pop-up prompt for fine tuning of **CV Settings**.

If your HM7000 decoder is connected to HM | DCC and the Bluetooth® icon  is **BLUE** at the top of the screen. You can alter the **Options** by tapping on each **Option** button or by using the **Slider Bar** to alter the **Value**.

You can reset your entry of **CV Setting** by tapping on the **RESET CV** button on the pop-up prompt. This will write your **CV Settings** back to the **Default Value** for the respective **CV**.


Once happy with the **CV Setting** input, you can tap on the **EXIT** button or tap on the outside of the pop-up prompt, these **CV Settings** will be instantly *written* and changed on your HM7000 decoder.

Please note: on the install of a **Profile**, **Unlinking** and also **Resetting** your HM7000 decoder, all **CV Settings** will be set to **Default Values**. It is advised to write down any **CV Settings** prior to installing a new **Profile**, **Unlinking** or **Resetting** your HM7000 decoder.

You can still alter **CV Settings** using a DCC Controller. But please note, **CV Settings** will not be reflected on the **ADV. CV EDITOR** until a **CV Setting Refresh**  has been actioned.

It is good practice to only use the faster method of using the HM | DCC app to alter **CV Settings**. You can use the **ADV. CV EDITOR** in parallel with a DCC controller by altering the **Control Source** (CV12) to **DCC** (Value: 0). Only **Motor & Function** control will be changed.



Please note: **Loco Address CV Settings** can only be *read/viewed* in the **ADV. CV EDITOR**. If you wish to alter your **Loco Address**, please do this on the **DATA** tab on the **Locomotive Settings** screen. Multiple **CV Settings** will be written when inputting the **Address #** to allow for **Long Addressing**.

Lastly, if you notice any issues with the running of your locomotive. It is advised to **Reset All CVs** using CV8 (Manufacturer ID) and tapping on the **Reset All CVs** button on the pop-up prompt. This will reset all **CV Settings** to **Default Values**. Please then tap the **Refresh**  button in the top-right of the **ADV. CV EDITOR** table to check **CV Settings** are reset to **Default Values**.

8. HM | DCC & HM Devices – Manage HM Devices (Basic Information)

Double tap the **Settings**  Icon.

Tap on **Manage Devices**. This is the list of all **HM Devices*** connected to HM | DCC.

Under **My Devices**, you will be able to see **HM Devices** that are connected when the Bluetooth® icon  is **BLUE** or they will be disconnected when the Bluetooth® icon  is **RED**.

*A **HM Device** is any device in the HM6000 Or HM7000 range of products that has Bluetooth® capability.


Each **HM Device** has its own box on screen, in the top-right corner of each **HM Device** box will be a number that correlates to the number of locomotives are **Assigned** to it.

You may notice in the bottom-left of each box a **RED** update icon. This will tell you that your **HM Device** firmware is out of date. For your **HM Device** to work correctly with HM | DCC you must ensure your decoder is updated to the latest version. Please see **Device Version(s)** for advice on how to do this.

Tap on a **HM Device** to go to the **Manage Device** screen for the selected **HM Device**. The **Manage Device** screen provides important information regarding your **HM Device**.

Basic Information such as your **HM Device Name** is shown, this is a name that identifies your **HM Device**. The **4-Digit Code** after your **HM Device** name is unique and differs between another **HM Device**.

Connection Status will let you know if your **HM Device** is connected to HM | DCC in **BLUE** or disconnected when **RED**. 1 device on your **Bluetooth® Mesh Network**, will feature a '**H**' to the left-

hand side of the Bluetooth® icon , this is your **HOST** in your **Bluetooth® Mesh Network** and all commands will be relayed through this device. It is always advised for your **HOST** to be as stable as possible: Static HUBs such as the HM7040, HM6000 and HM6010 are always recommended. **HM | DCC – Bluetooth® Mesh Network** discusses this further.

Vehicle Allocation Limit is the limit of how many locomotives can be assigned to the **HM Device**. As of the HM | DCC app release date, HM7000 decoders can have 1 locomotive **Assigned** to them, whilst the **HM7040 – Legacy Dongle** can have multiple locomotives under different addresses **Assigned** to it.

Device SKU is the identification SKU of the decoder installed into your locomotive and **Sound Capable Decoder** shows if the decoder can be connected to a speaker output to play TXS (Triplex) locomotive sounds.

(HM7000-21TXS: **R7322**) – Sound Capable Decoder: **True**

(HM7000-N18TXS: **R7345**) – Sound Capable Decoder: **True**

(HM7000-8TXS: **R7336**) – Sound Capable Decoder: **True**


(HM7000-8: **R7335**) – Sound Capable Decoder: **False**

(HM7000-6: **R7321**) – Sound Capable Decoder: **False**

(HM7000-N18: **R7401**) – Sound Capable Decoder: **False**

(HM7000-21: **R7402**) – Sound Capable Decoder: **False**

Also featured is your **Device Reset Passcode** for your HM7000 decoder, this is very important and is used to **Reset** your HM7000. Please ensure that the **Device Reset Passcode** is written down or stored away from HM | DCC. Tap on the **12-Digit Code** to copy this to your phone or tablet's clipboard, it can then be pasted where you wish.

Alternatively, double tap on the **Settings**  icon, scroll the bottom of the screen and then tap on **Export Device Reset Codes**. Then, save the **Device Reset Codes** using an appropriate app (Notes etc), or send them to a trusted friend in a message or email. This will allow you to always **Reset** your decoder back to **Default Settings**.

9. HM | DCC & HM7000 – Device Health


Double tap the **Settings**  icon.


Tap on **Manage Devices**. This is the list of all **HM Devices*** connected to HM | DCC.

Tap on a **HM7000** to go to the **Manage Device** screen for the selected **HM Device**. The **Manage Device** screen provides important information regarding your **HM Device**.

The **Device Health Check** section is information to ensure that your HM7000 is working as expected. This section will notify you if there are any issues with your decoder.

All fields in the **Device Health Check** section must be **GREEN** for your **HM Device** to function properly.

If you notice a '' , next to any fields. It is advised to reinstall the **Profile** on your HM7000 decoder until all fields in the **Device Health Check** section are **GREEN**. For Information on how to do this, please view [HM | DCC & HM7000 – Installing \(Sound\) Profiles](#) and check the installation of your HM7000 decoder in your locomotive.

If you still experience '' or in app-notifications, please read the troubleshooting section on the Hornby.com website, or alternatively contact HM.customercare@hornby.com for specialised assistance.

10. HM | DCC & HM Devices – Device Version(s) & Updating

Double tap the **Settings**  Icon.

Tap on **Manage Devices**. This is the list of all **HM Devices*** connected to HM | DCC.

Tap on a **HM Device** to go to the **Manage Device** screen for the selected **HM Device**. The **Manage Device** screen provides important information regarding your **HM Device**.

Further down the **Manage Device** screen is the **Device Version(s)** box. This is important information to see what firmware is installed onto your **HM Device**.

Bluetooth® Version is the firmware of the Bluetooth® chip on your **HM Device**.

Profile ROM (APROM) is the firmware on your **HM Device** that allows for running your locomotive.

Boot ROM (LDRROM) is firmware in relation to the hardware on your **HM Device**, this will not change.

Profile SKU (SPIROM + APROM) is the currently installed **Profile** on your decoder and will relate to a certain class of locomotive.

Hardware Version is in relation to **Boot ROM** and will not change.

It is vital to ensure that your **HM Device** is running correctly to always be up to date with the latest Version (firmware).

To update the **Bluetooth® Firmware** of your **HM Device**, under the **Bluetooth® Firmware** section of the **Manage Device** screen, if a later update is available an **Update Device** button will be present.

Ensure your Bluetooth® & Wi-Fi are turned on in your phone or tablet settings and the phone or tablet is connected to the internet. Ensure that **Do Not Disturb** is turned on to ensure no interruptions to the update.

Tap on **Update Device** and you will be prompted with a screen showcasing all the available **Bluetooth® Firmware**. The latest **Bluetooth® Firmware** version will have “**(Latest)**” to the right-hand side of the **Version Number**.

Place your phone or tablet around 3-6 inches away from your HM Device and tap on the **(Latest)** firmware, tap **Yes** and then tap **Update**.

Please allow up an average of *1 minute* for the new **Bluetooth® Firmware** to install. It may take longer based on your phone or tablet. It is advised to keep your phone or tablet still and plugged into mains power during the entire installation process.

Once the installation is complete, please **Power-Cycle** your HM7000 decoder by removing the locomotive from the track, waiting 5 seconds, and replacing the locomotive. If you have a **Power Bank** installed, you will have to wait up to 60 seconds for your HM7000 to power down. Once power is restored to your locomotive, your decoder will auto-reconnect to HM | DCC in an average of around 5 seconds. This will activate the new **Bluetooth® Firmware** for use.

For other **HM Devices**, please **Power-Cycle** by switching of the **HM Device** at the mains, waiting 5 seconds and then switching power back on. This will activate the new **Bluetooth® Firmware** for use.

If, after update, issues are noticed. It is always possible to revert to a previous firmware. Alternatively, please refer to the **Troubleshooting** section or contact HM.customercare@hornby.com for specialised assistance.

11. HM | DCC & HM Devices – Manage HM Devices & Engine Shed

Double tap the **Settings**  Icon.


Tap on **Manage Devices**. This is the list of all **HM Devices** connected to HM | DCC.

Tap on a **HM Device** to go to the **Manage Device** screen for the selected **HM Device**. The **Manage Device** screen provides important information regarding your **HM Device**.


Under **Assigned Vehicles**, you can see if your HM7000 is **Assigned** to a locomotive. Tap on **Unassign** to put your locomotive back into the **Engine Shed**.

Or, if no locomotive is **Assigned** to your HM7000 decoder, tap on one of your locomotives to **Assign** it to your HM7000 decoder.

Under **Delete Device & Configurations**, is the **Unlink & Delete Device** button. Tapping this will **Unlink** your **HM Device** from your phone or tablet. Ensure that no locomotive is **Assigned** to your **HM Device** and that your **HM Device** is connected to HM | DCC before tapping the **Unlink & Delete Device** button.

Alternatively, Double tap the **Settings**  Icon.

Tap on **Engine Shed**. This will list all your locomotives.

Tap and hold down your finger on a locomotive box, then move your finger up and down to reorder your locomotives. This will alter the order of the **Control**  screen.

You will see at the top-left of the locomotive box your locomotive **Name** and **Address #**. Also, a picture of your locomotive on the right-hand side if you have imported or taken a photo.

In the bottom-left of the locomotive box. You will see the decoder **Assigned** to it. You will also see locomotives without a HM7000 decoder **Assigned** to them with **Vehicle Not Assigned** status.

You can tap on a locomotive with the **Vehicle Not Assigned** Status, and then on the **Locomotive Settings** screen, tap on **Assign Now >** in the **Decoder Setup** box. A prompt will pop-up, allowing you to **Assign** an available HM7000 decoder; HM7000 decoders already **Assigned** to another locomotive will not appear in the pop-up prompt.

In the **Engine Shed**, you can create a **New Vehicle** by tapping the button at the bottom of the **Engine Shed** screen. You can then tap on **Locomotive** to create a brand-new locomotive (Vehicle) in the HM | DCC app.


Tap on the **Control**  button on the bottom toolbar and then tap on **Manage Device**

In the **Decoder Setup** box, in the top right corner, tap on **Manage**. This will take you to the **Manage Device** screen.


Tap and hold your finger to scroll down to the bottom of the **Manage Device** screen. The **Manage Device** screen provides important information regarding your HM7000 decoder.

Information such as your decoder **Name** is shown: This is a unique name that identifies your HM7000 decoder only.

Connection Status will let you know if your HM7000 is connected to HM | DCC in **BLUE** or disconnected when **RED**. 1 device on your **Bluetooth® Mesh Network**, will feature a 'H' to the left-

hand side of the Bluetooth® icon , this is your **HOST** in your **Bluetooth® Mesh Network** and all commands will be relayed through this device. It is always advised for your **HOST** to be as stable as possible: Static HUBs such as the HM7040, HM6000 and HM6010 are always recommended. **HM | DCC – Bluetooth® Mesh Network** discusses this further.

Also featured is your **Device Reset Passcode** for your decoder, this is very important and is used to **Reset** your HM7000. Please ensure that the **Device Reset Passcode** is written down or stored away from HM | DCC. Tap on the **12 digit Code** to copy this to your phone or tablet's clipboard, it can then be pasted where you wish.

Alternatively, you can double tap on the **Settings**  icon and then scroll to the bottom of the screen and tap on **Export Device Reset Codes**. Then, save them using an appropriate app (**Notes** etc). This will then give you a record of **ALL** your decoders connected to HM | DCC.

In the **Basic Information** box

Tap on **Unassign** to remove the HM7000 decoder from your Locomotive*. Your locomotive will be placed in your **Engine Shed** ready for a different decoder to be **Assigned** to it.

- *We allow for decoders to be split from the locomotive for certain scenarios such as Consisting where multiple decoders refer to 1 single locomotive.

12. HM | DCC & HM Devices – Help & Customer Support

HM | DCC & HM7000 Instructional Manuals + Function Maps:

<https://support.hornby.com/hc/en-gb/sections/6430190965522-Additional-Manuals>

YouTube Tutorials for HM | DCC:

https://www.youtube.com/playlist?list=PLdNqiK7_F42uWgBdQ4HdggQms7XnSUN73

Specialised support for HM | DCC & HM7000:

HM.customercare@hornby.com

General support for DCC and HM7000:

customercare@hornby.com