

INSTRUCTIONS: FUYL TOWER™



Congratulations on your purchase.
Follow these instructions for setting of your FUYL Tower.



Warranty:

PC Locs/LocknCharge warrants the product to be free of defects in design, materials, assembly and craftsmanship from the date of purchase to the original retail purchaser. Evidence of original purchase will be required to obtain warranty service.

In the event that a defect, malfunction or failure occurs or is discovered during the warranty period, PC Locs/LocknCharge will repair or replace, at its option, the products which in the reasonable judgment of PC Locs/LocknCharge are deemed defective. All transportation costs shall be borne by the owner and the risk of loss shall be upon the party initiating the transportation.

The warranty does not apply to any product that has been subject to misuse, tampering, neglect, or accident or as a result of unauthorized alterations or repairs to the product. The warranty is in lieu of all warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly excluded or disclaimed. In no event will PC Locs/LocknCharge, their directors, officers, employees, or agents be liable for any harm, consequential, incidental, third party, special or indirect damages whatsoever arising out of the use or inability to use the products even if PC Locs/LocknCharge has been advised of the possibility of such damages.

PC Locs/LocknCharge obligation is strictly and exclusively limited to the replacement or repair of any defective products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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Overview

The FUYL Tower is an integrated secure storage and charge station for mobile devices. The product has individually secured bays and is available in up to 15 charging bays.

Each charging bay features a mains voltage power outlet (110V / 240V locale dependant), with in-built overload protection and a 5V USB charging port capable of up to 2.4A charge current.

Administrators can configure the FUYL Tower in either of two ways:

1. Locally via the central electronic control panel, which features ***admin keypad override mode*** using a secure two stage authentication system.
2. Remotely from the ***FUYL Tower management portal*** over a wired local network or a WiFi link. This method provides all the functionality of the control-panel Admin override mode, in addition to a number of more advanced capabilities including access logging.

Users of the system access the charging lockers using a 4 digit PIN.

From the Management Portal, Administrators may configure the FUYL Tower to control door access so that:

1. Doors are normally open, and users provide their own PIN to close them.
2. Doors are normally closed, and the Administrator provides users with a PIN to open them.

Access breaches are detected by the system and will trigger a flashing warning on the display.

During power outages, locked doors remain locked, and the system configuration is retained. There is a mechanically activated ***manual override*** which can be accessed through the control panel door, to be used in situations of prolonged power failure.

Specifications

Name: FUYL Tower Secure Charge Station	Dimensions: 15 Bays: approx. 480x480x1700mm
Input: 110VAC nom, 60Hz, 15A max (US version)	Weight: approx.. 78Kg
240VAC nom, 50Hz, 10A max (non-US version)	Operating Temperature: TBA
Output: 5VDC @ 2.4A max x15 outlets	
110VAC or 240VAC at 4A max per outlet	

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SAFETY INSTRUCTIONS

For your safety – Do not operate the unit if the plug, power socket or power cable is damaged.

To reduce the risk of fire, electrical shock and/or injury, the following basic precautions should be followed:

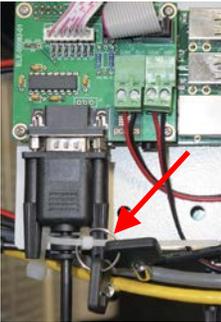
- This device is not intended for use by persons (including children) with reduced physical, sensory and mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning the use of the device by a person responsible for their safety.
- CAUTION: To reduce the Risk of Electric Shock – use only indoors.
- Keep away from all sources of water or moisture. Never expose the devices to the rain or dangerous gas.
- Parts of the unit, including devices charging within the unit, may be warm during operation. Install the unit in a dry and cool place and do not cover ventilation holes. Ensure sufficient ventilation at all times.
- Do not overload the socket-outlets.
- Before using the product, check and make sure all devices are correctly and properly connected.
- Arrange the power cord away from traffic areas where it will not be tripped over.
- The unit is powered when the main supply is connected and switched on.
- Do not try to repair, disassemble or modify the unit. There are no user-serviceable parts inside.
- Do not use the product other than for its intended use.

INSTALLATION

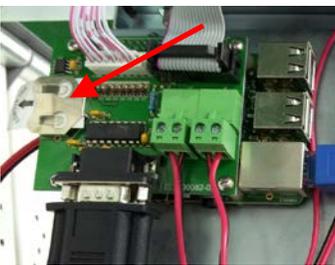
- 1) CAUTION: The FUYL Tower is heavy. Take appropriate lifting precautions while moving.
- 2) With the delivery carton lying horizontal, unpack the carton and free the FUYL Tower from the packaging.
- 3) Using the keys attached to the base of the cabinet, unlock and open the large access door, and remove the parts box and any packaging that is present.
- 4) Locate the 4 adjustable feet and screw them into the corner brackets at the base of the cabinet.
- 5) Manoeuvre the FUYL Tower into an upright position by raising it out of the carton. Use lifting apparatus if necessary for safe lifting. Please discard the packaging with thought for the environment.
- 6) When choosing a location for the FUYL Tower, consider the following:
 - a) The LCD display will be more readable when ambient light levels are lower.
 - b) Direct sunlight should be avoided in hot climates, as temperatures within the unit could exceed operating temperatures of stored devices.
 - c) Choosing public, well trafficked areas will contribute to the safety of users and reduce the likelihood of successful break-in.
 - d) The main power lead for the FUYL Tower should be connected in a location that is concealed, to avoid accidental or deliberate power down of the unit while devices are charging.
 - e) If network connectivity is needed, a coiled section of network cable is provided in the undershelf of the unit. If necessary, this can be extended using a commonly available Ethernet adaptor. WiFi connection will require an Ethernet cable to be connected for initial configuration.
- 7) The locker cabinet will require either a dual mains socket or a permanent electrical junction box, preferably directly behind or above the cabinet. Any necessary electrical installation should be done by suitably qualified installers before the cabinet is moved into place.
- 8) If network connectivity will be required, then either a WiFi Access Point or a LAN port/cable must be provided in an appropriate location close to the cabinet.
- 9) The mains supply cables should be fitted to the cabinet before it is moved into the final position. Plug each cable into the appropriate distribution board. Feed the cables through the access point in the rear of the cabinet, and fix both in place using the supplied P-clamps and any other method that may be required according to local regulations.
- 10) Position the FUYL Tower into installation location, 40-90mm from the wall, and level/stabilise the cabinet by adjusting the feet at the base. Fix to the wall using the supplied mounting bracket on top of the unit. Fixing to the wall is important for stability of the unit and safe operation.

SETUP

Before the cabinet is powered on for the first time, use the cabinet keys to open the master control door (this is the black door beneath door 5). Retrieve the admin keys (secured to the DB9 connector of the controller).



Locate the 3V Lithium battery on the control board, and remove the clear plastic shipping tab. Close and lock the master door.



Check that the circuit breakers of both distributions boards in the base of the cabinet are on, then close and lock the access door. Keys for the locker should be held by the person(s) responsible for the locker.

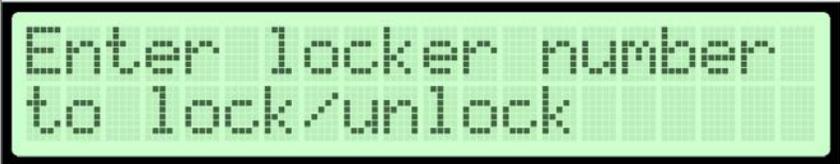
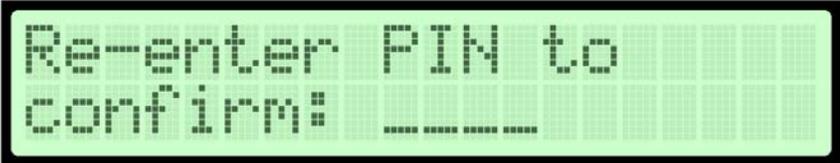


Switch on power to the locker. The controller will take approximately 30 seconds to initialise and boot, and then all fifteen locker doors will be opened sequentially.

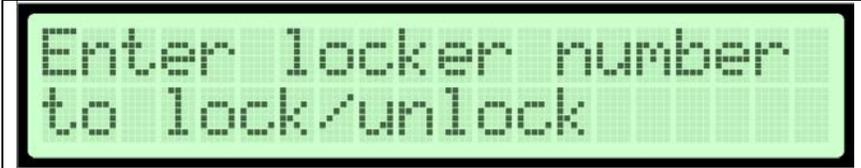
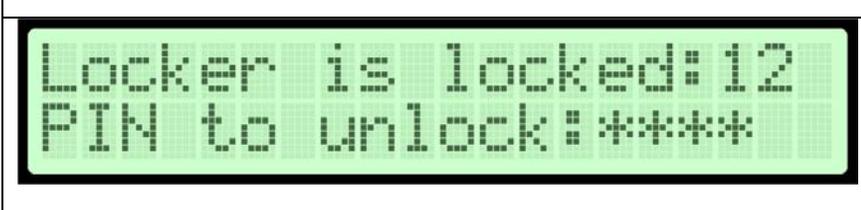
The lockers are now ready for normal use.

GENERAL USE

RESERVING A NEW LOCKER

	<p>The user approaches the locker and begins typing a locker number.</p> <p>When reserving a new locker, the user should identify a locker that is unlocked and make that selection.</p>
	<p>Locker number must be 1 – 15. Press OK to select when finished.</p>
	<p>The user is prompted for a 4-digit PIN to lock the door.</p> <p>NOTE: If the locker was not free, the display will indicate that the locker is LOCKED.</p>
	<p>The PIN must be confirmed by the user and must be a correct match before the door can be locked.</p>
	<p>Place mobile device in locker and connect to charging socket.</p> <p>Close the door firmly and the door will latch.</p>
	<p>It is now safe to leave the locker.</p>

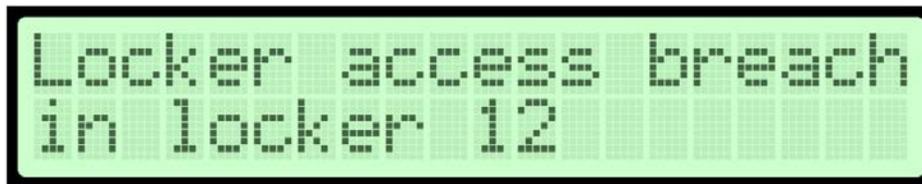
RETURNING TO A LOCKER

	<p>The user approaches the FUYL Tower to reclaim their charged device.</p>
	<p>Select the number of the locker where the mobile device has previously been stored.</p>
	<p>The locker is unlocked with the originally entered PIN code.</p>
	<p>Now the user can reclaim their mobile device and is free to leave the locker.</p>

UNUSUAL CIRCUMSTANCES

LOCKER BREACH

If the FUYL Tower detects that a locker door was opened without the PIN code being entered (i.e. with a forced entry) an alarm flag will be raised.



This message will flash indicating a locker breach

The FUYL Tower will still be operational so that other users can retrieve their items.

The locker breach alarm can be reset by using the admin key to enter the **admin keypad override mode**. Refer to the Administration section for instructions. As soon as the admin mode is entered, the locker breach alarm will be reset. It may also be reset from the Management Portal.

LOCKER STUCK

Occasionally, a door might be held closed or obstructed so that it can't open. The system will try multiple times to open the door with increasing time increments. After a point, the locker will be flagged as 'stuck' and the system will ignore attempts to use that locker.

The administrator can attempt to free the locker, and can try to unlock the locker again by entering the **admin keypad override mode**. Refer to the section entitled Administration for details.

TOO MANY PIN ATTEMPTS

When attempting to unlock a locker, the user will be given 3 pin entry attempts. If 3 incorrect attempts are made, that locker will be disabled for 60 seconds before another entry attempt can be made.

INSECURE PINS

PIN codes which are composed of sequential digits (eg: 1234, 6543) or which are all the same digits (eg: 2222, 8888) are considered insecure, and the user will be prompted to provide another PIN.

ADMINISTRATION

At times, an administrator may need to perform maintenance tasks on the system or respond to events such as:

- User forgets PIN
- Locker breach alarm is triggered
- Lockers need to be emptied or cleaned out
- Temporarily deny access to a reserved locker
- Investigate the contents of a reserved locker

This may be managed in either of two ways:

- Locally via the central electronic control panel, which features admin keypad override mode
- Remotely from the FUYL Tower management portal over a wired local network or a WiFi link. This method provides all the functionality of the control-panel Admin override mode, in addition to a number of more advanced capabilities including access logging (for further details, please refer to Refer to the Management Portal User Guide).

In this document we discuss the primary way for the administrator to perform these functions, by accessing the *admin keypad override mode*.

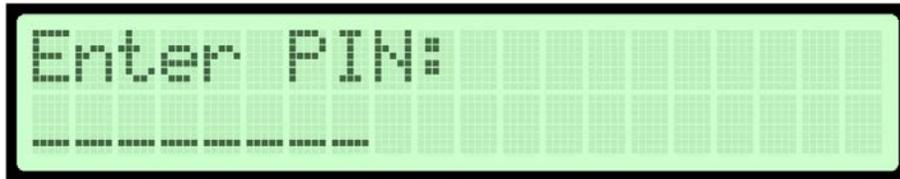
Note: If power has failed to the FUYL Tower, and the doors need to be opened, refer to the next section: MANUAL DOOR OVERRIDE

ADMIN KEYPAD OVERRIDE MODE - AUTHENTICATING

To enter the mode, the administrator will need the control access key provided with the FUYL Tower. Turn the key to the right and hold for a moment.



Once the key has been activated, the administrator will be prompted for their 8 digit authentication code. The default authentication code is **23350743**, but for security this code should be changed as soon as is convenient.



Enter 8 digit auth code

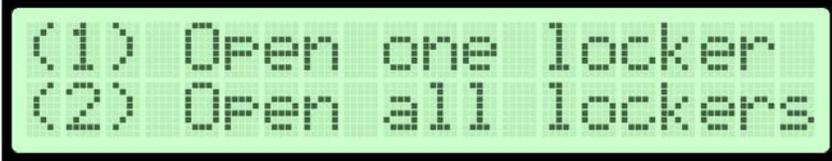
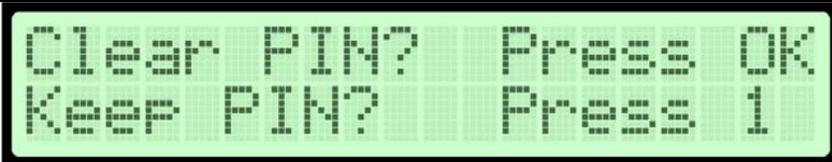
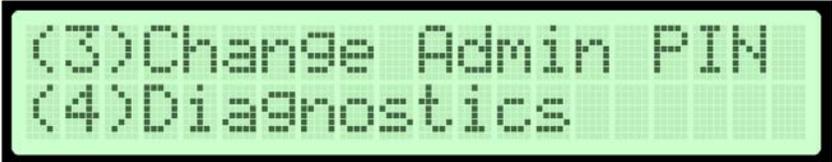
A new authorisation code can be entered from the control panel by accessing menu option 3 *Change Admin PIN*. Alternatively it can be reset through the ***FUYL Tower management portal*** (network connectivity required). Refer to the Management Portal User Guide for further instructions.

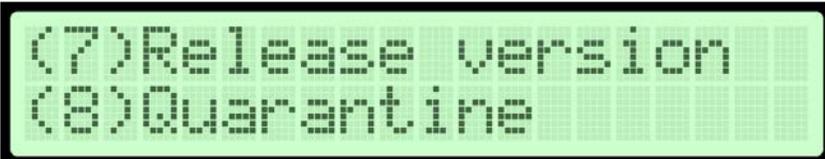
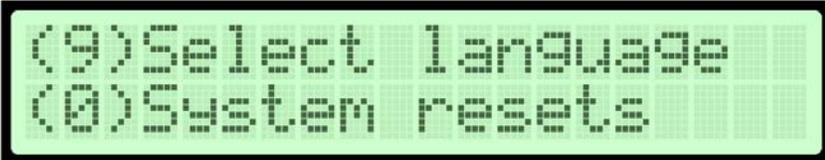
Note: The keypad auth code is **different** from the password used to access the ***FUYL Tower management portal***

ADMIN KEYPAD OVERRIDE MODE – MENU OPTIONS

Once authentication has been successful, options will be displayed on the screen.

NOTE: More options can be cycled by turning the keyswitch multiple times

	<p>Press 1 to force a single locker to open.</p> <p>Press 2 to open all the lockers, one by one. All lockers will become unlocked.</p>
	<p>Both of the above options will ask if you wish to clear the user PIN code for the door, or keep it.</p> <p>Pressing OK will clear the PIN, and the locker(s) will open, ready for the next user.</p> <p>Pressing 1 will open the door(s) while retaining the user's PIN. The administrator can then access the locker(s), then push the door(s) closed. The user will then be able to access their reserved locker using their original PIN.</p>
	<p>Turn the keyswitch to the right to access more options.</p>
	<p>Press 3 to change the 8 digit admin PIN. The PIN will need to be entered twice.</p> <p>Press 4 to initiate the diagnostic sequence. A series of tests will begin, with prompts provided on the display to guide the Administrator.</p>

	<p>Turn the keyswitch to the right to access more options.</p>
	<p>Option 5 displays a unique code identifying the central processor. You may be asked to supply this number by PC Locs/LocknCharge for troubleshooting purposes.</p> <p>Option 6 displays the FUYL Tower's IP address. This option is only relevant when accessing the FUYL Tower over the network to perform remote administration. Please refer to the software manual for the <i>FUYL Tower management portal</i></p>
	<p>Option 7 displays the FUYL Tower software version.</p> <p>Option 8 sets quarantine on a locker. A quarantined locker will remain locked, and cannot be opened by a user until it is reset by Admin. To reset a quarantined locker so that it is once again accessible by the user, select quarantine and follow the prompts.</p>
	<p>Option 9 sets the language for messages displayed on the LCD. Press 9 to enter language selection, then repeatedly press 9 to view all available languages. To select a language, click OK. The display will immediately show messages on the selected language.</p>

	<p>Option 0 opens a System Resets submenu (described below) which resets the FUYL Tower.</p>
	<p>Please read the warnings carefully before proceeding with either of these options...</p> <p>System Resets submenu option 1 resets the Management Portal password to its factory default of <i>uberbasket</i>. It also resets any fixed-IP address settings to the default DHCP allocation. Other configuration settings remain unchanged.</p> <p><i>Warning! Reset the Management Portal password as soon as possible to secure the system.</i></p> <p>System Resets submenu 2 performs a factory reset. The FUYL Tower will revert to the firmware installed at time of shipping.</p> <p>Warning!</p> <ul style="list-style-type: none"> • All configuration settings will be lost • <i>Doors will open –secure all stored devices!</i> • <i>Reset passwords (Admin PIN and Management Portal password) as soon as possible.</i>

MANUAL DOOR OVERRIDE

This procedure can be performed if power is not available to the unit and doors need to be opened.

NOTE: All doors will be opened when using the manual override. It is NOT possible to manually open individual doors.

	<p>Use the maintenance key provided to open the control panel door.</p>
	<p>Insert the release lever into the cabinet as shown.</p>
	<p>Firmly press up on the lever to release all the doors.</p>
	<p>Firmly press down on the lever to reset the release latch.</p> <p>Remove the lever, then close and lock the control door.</p>

Once this process is performed, the ongoing state of the lockers will be determined at the moment that power is returned. Lockers that were manually opened and left open when the power is returned will be unlocked (a breach alarm will need to be cleared). Lockers that are closed and left closed when the power is returned will not lose their state – they will continue to be locked as if they were never opened.

For example if:

- Locker #5 is locked
- The power is removed
- The manual override is used to open locker #5
- If power is returned with the door #5 open, a locker breach alarm will occur. Use ***admin keypad override mode*** to remove the alarm, then the locker is ready for use.
- Alternatively, if the door #5 is reclosed before the power returns, then locker #5 will still be locked, with the same PIN as before.

MANAGEMENT PORTAL

The FUYL Tower can be administrated over a wired local network, by directly connecting to the FUYL Tower using an Ethernet cable, or via WiFi link. This is performed using a browser (Firefox, Explorer, Chrome, Safari).

Offsite administration is not supported.

There is a separate user guide for the portal which covers the setup process and instructions for use. Please refer to the FUYL Tower Management Portal User Guide.

TROUBLESHOOTING

Display is lit up, but blank when FUYL Tower powers up	The system takes 30-40 seconds to boot, during which time the display will be blank.
Display is dark when FUYL Tower powers up	<p>Using the provided key, open the control panel door and check for the presence of flashing lights on the electronics on the door.</p> <p>Visually check for loose or unplugged wires in the electronics behind the control panel door (safety extra low-voltage circuit)</p> <p>If no flashing lights, use the provided key to open the electrical undershelf, and ensure that both circuit breakers are switched on.</p> <p>If lights are flashing in the electronics compartment, but the display is dark, contact PC Locs/LockNCharge for support.</p>
FUYL Tower powers up with an error message.	<p>Almost all error messages are fatal and indicate a fault with the electronics.</p> <p>Using the provided key, open the control panel door and check for the presence of loose or unplugged wires.</p> <p>Carefully record the error message, and what happened before it appeared, and contact support.</p>
A socket within one of the lockers is not providing power.	<p>Check that the switch on the power socket is set to ON by pressing RESET.</p> <p>Use the provided key to open the electrical undershelf, and ensure that both circuit breakers are switched on.</p>
A user has forgotten their PIN code.	See the section: ADMINISTRATION for instructions on entering the <i>admin keypad override mode</i> to open the appropriate door.
The FUYL Tower is not operational but a user needs to retrieve their items.	Refer to the section: MANUAL DOOR OVERRIDE
The Administrator has forgotten their 8 digit Admin access PIN code.	Log into the FUYL Tower Management Portal (see FUYL Tower Management Portal User Guide) and from the System Configuration page select the <i>Reset Auth</i> button.

WARRANTY

PC Locs / LocknCharge warrants the product to be free of defects in design, materials, assembly and craftsmanship for a period of twelve months from the date of purchase to the original retail purchaser. Evidence of original purchase will be required to obtain warranty service.

In the event that a defect, malfunction or failure occurs or is discovered during the warranty period, PC Locs / LocknCharge will repair or replace, at its option, the products which in the reasonable judgment of PC Locs / LocknCharge are deemed defective. All transportation costs shall be borne by the owner and the risk of loss shall be upon the party initiating the transportation.

The warranty does not apply to any product that has been subject to misuse, tampering, neglect, or accident or as a result of unauthorized alterations or repairs to the product. The warranty is in lieu of all warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose which are expressly excluded or disclaimed. In no event will PC Locs / LocknCharge, their directors, officers, employees, or agents be liable for any harm, consequential, incidental, third party, special or indirect damages whatsoever arising out of the use or inability to use the products even if PC Locs / LocknCharge has been advised of the possibility of such damages. PC Locs / LocknCharge obligation is strictly and exclusively limited to the replacement or repair of any defective products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

COMPLIANCE and APPROVALS

AUSTRALIA/NEW ZEALAND: AS/NZS 55022

RCM: N26682



EUROPE: EN 55022

Conforms to



USA/CANADA



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Responsible Party: Lock n Charge USA Inc, 2600 Daniels St., Madison, WI 53718, +1 888-943-6803

info@lockncharge.com

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

"This Class B digital apparatus complies with Canadian ICES-003."

"Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada."

Shielded USB cable must be used with this unit to ensure compliance with the Class B FCC limits.