

Cyrus CDXt
User Instructions

Cyrus CD Xt

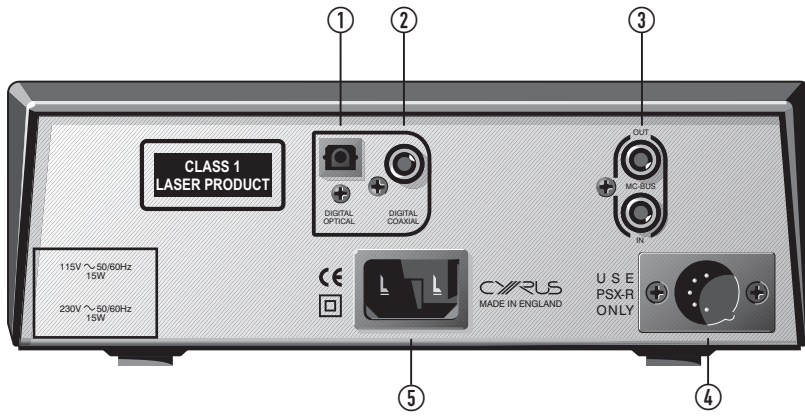


Fig 1

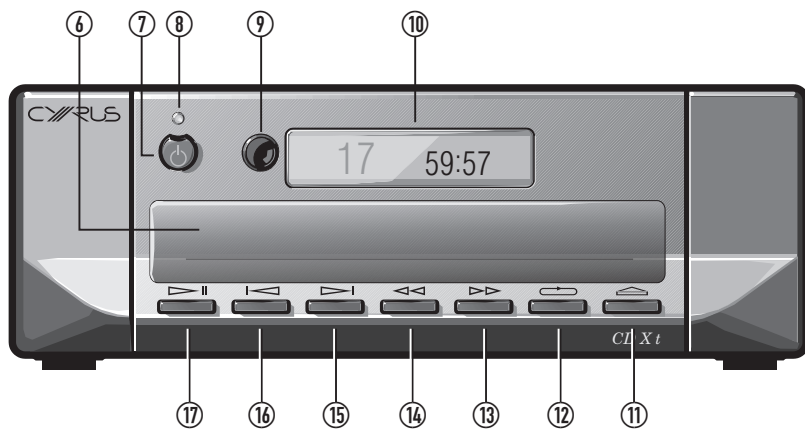


Fig 2

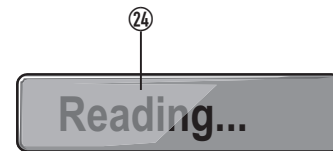
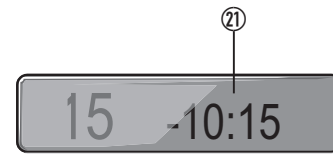
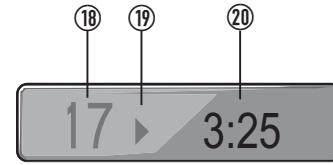


Fig 3

User instructions

Cyrus CD Xt

IMPORTANT! Read before operating this equipment!

CAUTION: The exclamation mark is to draw your attention to important instructions and safety procedures in this manual.



ATTENTION: The lightning flash warns you of the risk of electrical shock presented by components inside this product. Unauthorised personnel must not open this unit.



WARNING: To reduce the risk of electrical shock do not remove any unit covers or panels. There are no user serviceable parts in this product.

WARNING: To reduce the risk of electric shock, do not expose this equipment to rain or moisture.

HEED WARNINGS: All warnings on the product and in the operating instructions should be adhered to.

READ ALL THE INSTRUCTIONS: All the safety and operating instructions should be read before the product is operated.

RETAIN INSTRUCTIONS: The safety and operating instructions should be retained for future reference.

FOLLOW INSTRUCTIONS: All operating and use instructions should be followed.

CLEANING: Unplug this product from the mains before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

WATER AND MOISTURE: Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement; or near a swimming pool and the like. The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.

HEAT: The product should be situated away from heat sources such as radiators, stoves, or any other products (including amplifiers) that produce heat.

VENTILATION: Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

OBJECT OR LIQUID ENTRY: Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

ACCESSORIES: Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

ATTACHMENTS: Do not use attachments not recommended by the product manufacturer as they may cause hazards.

MOVING THE PRODUCT: A product and cart combination should be moved with care. Sudden stops, excessive force, and uneven surfaces may cause the product and cart to overturn.



POWER SOURCES: This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

OVERLOADING: Never overload wall outlets, extension cords, or integral convenience receptacles. This can result in an increased risk of fire or electric shock.

POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

NAKED FLAMES: No naked flame sources, such as candles, must be placed on this product.

LIGHTNING: For added protection for this product during a lightning storm, or when it is left unattended or unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

CAUTION! POLARISED CONNECTOR (CANADA and USA): To prevent electrical shock, match wide blade of plug to wide slot, fully insert. Do not alter or remove this plug if it does not fit your mains power socket. Have a suitable socket installed by a competent electrician.

POWER SUPPLY:

The moulded IEC connector of the AC cord supplied plugs into the power inlet Ⓢ on the rear of the unit.

The mains supply requirement for your CDXt is marked on a label on the rear panel. Before connecting, check that this voltage is the same as your mains supply.

| | | |
|----------------|---------------|-----------|
| 230V Products: | Voltage Range | 220V-240V |
| 115V Products: | Voltage Range | 110V-120V |

If you move to an area with a different mains voltage, contact your local *Cyrus* distributor to have your product converted.

There are no user replaceable fuses in this unit.

NOTE FOR UK CUSTOMERS:

The CDXt is supplied with a power cable terminated by a fused 13A mains plug. This plug should not be removed but if it is removed, dispose of it safely and do not re-use it. To connect a new 13A plug, proceed as follows: Connect the brown wire to the terminal marked L or coloured red. Connect the blue wire to the terminal marked N or coloured black. The internal plug fuse should be 5A.

SERVICING:

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

CONDITIONS REQUIRING SERVICE: Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product has been dropped or damaged in any way.
- If the product does not operate normally by following the operating instructions. (Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage requiring extensive work by a qualified technician to restore the product to its normal operation).
- When the product exhibits a distinct change in performance.

REPLACEMENT PARTS: When replacement parts are required, be sure the service technician has used replacements specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK: Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

PRODUCT SERVICE CENTRES:

For product service or technical advice, contact only authorised *Cyrus* service centres. The *Cyrus* distributors are listed at the end of this instruction manual.

Welcome to the world of Cyrus!

Congratulations on your choice of *Cyrus* Hi-fi products. Our state-of-the-art design technology and outstanding quality of manufacture has won countless awards around the world. We are confident that you will derive great pleasure from owning a product from one of the most recognised and respected manufacturers of hi-fi equipment.

Please read these instructions carefully before commencing installation. They provide full guidance to help you install your *Cyrus CDXt* safely and correctly.

Preparations for Installation

Before installing the *CDXt* check that the following items are included in the accessory box.

- Warranty Card (back cover of this instruction manual)
- AC Mains Cable
- Remote Control Handset
- 2 x Phono leads for MC-BUS connection

After removing these items, please retain the packaging.

Install the *CDXt* in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the *CDXt* under another unit or on any surface likely to hamper its cooling or ventilation.

INSTALLATION (Refer to Fig.1)

Key to the rear panel drawing:

- | | |
|-------------------|---------------------|
| 1. Optical Output | 4. PSX-R Connection |
| 2. Digital Output | 5. Power Inlet |
| 3. MC-Bus System | |

Connecting an External D/A Converter

The *CDXt* provides a digital output to drive an external D/A converter. Using a digital interconnect, connect the socket marked DIGITAL OPTICAL ① or DIGITAL COAXIAL ② to the input of a suitable D/A converter and connect the converter's audio outputs to a suitable input of the amplifier. Refer to the D/A converter handbook for guidance.

The DIGITAL COAXIAL connection is recommended where this connection is available.

Connecting a Cyrus PSX-R

The *Cyrus PSX-R* is a high quality regulated power supply, the use of which will elevate your *CDXt* into a true world-class state-of-the-art product.

The connector fitted to the umbilical cable from the *PSX-R* must be securely connected to the *PSX-R* socket ④ on the rear of the *CDXt*. When correctly fitted, the connector will latch into the socket.

Note: The *PSX-R* power supply and the *CDXt* will both require connection to the mains supply.

MC-Bus System Connection (Optional)

By using the MC-BUS connection on your *CDXt*, a highly functional integrated system with full remote control may be set up. This feature is usable if you own a *Cyrus* amplifier. Refer to the relevant product handbook for MC-BUS wiring instructions.

OPERATION (Refer to Fig.2)

Key to the front panel drawing:

- | | |
|--------------------|--------------------|
| 6. CD Loading Door | 12. Repeat |
| 7. Standby Key | 13. Search Forward |
| 8. Standby Light | 14. Search Reverse |
| 9. Remote Eye | 15. Next Track |
| 10. Display Window | 16. Previous Track |
| 11. Stop/Open | 17. Play/Pause |

Switching On

The mains power to the *CDXt* should normally be left on unless left unattended for a long period when the mains power at the wall socket should be switched off or the product disconnected from the AC supply.

When power is applied, the STANDBY key ⑦ is used for power control. The Standby light ⑧ shows red when the *CDXt* is in Standby and green when operational.

Loading a Disc

Press the STOP/OPEN key ⑩ to open the CD tray. Place a CD in the tray with the label side upward. Press the STOP/OPEN key ⑩ again. The CD tray will load into the player. The *CDXt* display will show 'Reading' while checking the contents of the disc.

Playing a Disc

Press the PLAY/PAUSE key ⑰ on the front panel. Playback will commence from track 1 unless otherwise selected.

Pausing

Press the PLAY/PAUSE key ⑰ to pause the current track. The disc will be held at the precise point of interruption and the PAUSE symbol will show on the display. Press the PLAY/PAUSE key ⑰ again to resume playing the disc.

Fast Forward/Reverse

The SEARCH FORWARD ⑬ and SEARCH REVERSE ⑭ keys may be used to locate a specific point within a track. The search will commence initially at a slow speed increasing after a few seconds if the key is held down.

The Search keys will also search through next or previous tracks if held down long enough.

Previous/Next Track Selection

Pressing the NEXT ⑮ or PREVIOUS ⑯ keys allow you to change forward or backward through the tracks on the CD. Track indications appear on the display.

Repeat

The REPEAT key ⑱ can be used to replay the entire disc or programmed tracks.

When REPEAT is selected, its symbol shows on the display. Press the key a second time to clear Repeat.

If a program selection has been stored, the REPEAT key ⑱ will allow continuous play of this program sequence.

Stop/Open Key

When a disc is playing, press the STOP/OPEN Key ⑩ to stop the disc immediately.

If the disc is already stationary, one touch of the STOP/OPEN key ⑩ will open the tray.

Program Memory Storage

The CDXt has two program modes – Program and Exclude. Program sets the CDXt to play the sequence of tracks you like, Exclude sets the CDXt to skip the tracks you don't like. To set the CDXt to Program or Exclude a selection of tracks, follow this sequence-

1. Load a disc.
2. Press the MEMORY STORE key on the remote control once to set Program mode (the display will read 'Enter Tracks') or twice to set Exclude mode (the display will read 'Skip Tracks').
3. Enter the sequence of tracks to be stored (or skipped) with the remote control numeric keypad. A maximum of 30 tracks may be stored in the program memory. If an error is made in the programming sequence, pressing the stop key will cancel the last entry.
4. When all the tracks have been stored, press the MEMORY key again (the display will now read 'Program Ready').
5. Press play to begin playing the tracks in the programmed sequence.

NOTE:

1. 'MEMORY FULL' indication will show on the display when the program stored exceeds 30 tracks or a stored program time of 100 minutes or greater.
2. When engaging STOP while a program is stored, an extra press is needed to clear the memory. Thus:
 - Press STOP once to stop the disc.
 - Press STOP a second time to clear the memory.
 - Press STOP a third time to open the tray.
 - One continuous press will accomplish all operations.

FRONT PANEL DISPLAY (Refer to Fig.3)

Key to the Front Panel Display drawing:

18. Track Display (Two Digit)
Track number, disc reading and error display.
19. Mode Indicator
Indicates the current operation mode (play, pause etc.)
20. Time Display
When the disc is stopped this indicates the total time.
When the disc is playing, either elapsed time for the current track or time remaining to the end of the disc Ⓢ will be shown.
22. Repeat Indicator
This symbol indicates that repeat is set.
23. Memory Display
Indicates when a program is stored in the memory.
24. Text display area
For status messages.

OPERATION WITH THE AVR77 REMOTE CONTROL

The CDXt is supplied with the *Cyrus AVR77* remote control which will control *Cyrus* amplifiers, tuners and surround sound decoders in addition to the CDXt.

System select keys

The AVR77 will send commands to most products within the *Cyrus* range.

Commands may be sent to different system components by selecting the appropriate system select key on the handset. These keys are marked CD, TU, AV, AV-S and SETUP. The CD, TU, AV, AV-S keys flash to show which type of product is under control. Commands to a surround decoder from the SETUP system will flash the AV key.

- Pressing CD will send commands to the CDXt. This key will also switch on the CDXt and select the CD input of a stereo amplifier.
- Pressing TU will send commands to FM Tuners. This key will also switch on an FM Tuner and select the TU input of a stereo amplifier.
- Pressing AV will send commands to a DVD player. This key will also switch on a DVD player and select the AV input of a stereo amplifier.

A stereo amplifier will respond to the volume, balance, mute and input keys when any of the above systems are selected.

NOTE - The AV-S and SETUP keys are not used to control a stereo system.

Multi-channel Surround Sound Systems

The AV-S and SETUP keys of the AVR77 will control a *Cyrus* surround decoder. If you own a *Cyrus* decoder which was not originally supplied with an AVR77 remote control, a full copy of the AVR77 instruction sheet is available on the *Cyrus* website www.cyrusaudio.com.

CDXt Additional Remote Control Functions

The following additional functions of the CDXt are available via the AVR77 remote control -

Direct Access Numeric Keypad

Press any numeric key on the handset. The track number will appear on the display and the CDXt will scan and play the selected track. If the disc has more than ten tracks the CDXt will briefly wait for entry of a second digit when appropriate.

When a program is stored, the keypad will enable access only to tracks included in the program memory.

Display Control

Press the DISPLAY OFF key on the handset to switch the display of the CDXt off. Pressing this key again restores the display to its normal mode. Switching the display off stops the digital traffic required to update it and reduces the load on the power supply. This improves the overall quality of the sound without adversely affecting the normal functions of your CDXt.

Phase Control

Absolute phase is determined by the audio system and the recording process. Changes in absolute phase are subtle and are best established from the listening position. The absolute phase of the audio signal can be changed from the remote control using the PHASE INVERT key. The display text area will show the message 'Phase Normal' or 'Phase Invert'.

The performance of the CDXt is unaffected whether the signal is in normal or phase inverted mode.

Note: When an external D/A converter is used, absolute phase correction is *not* applied to the digital output. Phase correction must then be selected at the D/A converter.

Time Display Selection

The DISPLAY MODE key features selection of two time display modes.

Mode 1 *Elapsed time* display Ⓢ. The time display will read the time elapsed from the beginning of the current track.

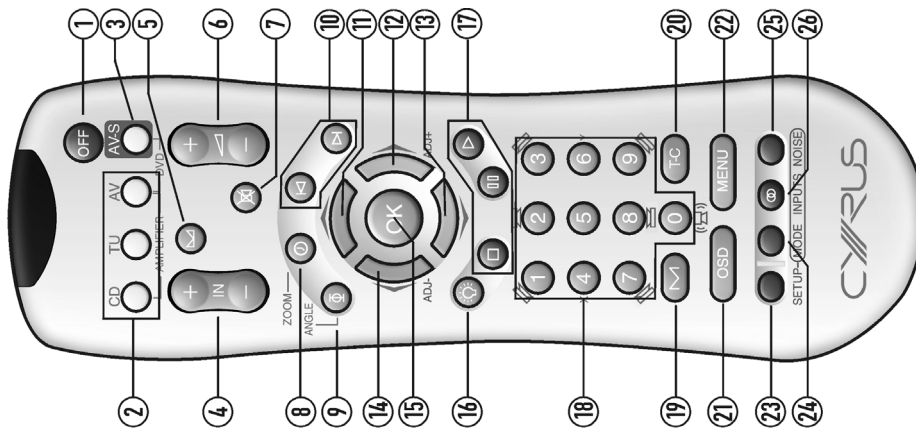
Mode 2 *Remaining time* display Ⓢ with minus sign. The time display reads time remaining to the end of the disc.

Full Remote Command Listing

A full listing of the command set available from the AVR77 is listed in the table overleaf.

| | CD MODE | TU MODE | AV/DVD MODE | AV-S/DVD MODE | SETUP MODE |
|----|--|----------------------------------|----------------------------------|--------------------------------------|---|
| 1 | Power off all systems | | | | |
| 2 | CD, TU or AV MODE SELECT - CDXt, Tuner or DVD power on - Stereo amplifier CD, TU or AV input select. | | | | |
| 3 | AV SURROUND MODE SELECT - DVD and Surround decoder power on. | | | | |
| 4 | Stereo amplifier input select. | Stereo amplifier input select. | Stereo amplifier input select. | Stereo amplifier input select. | Stereo amplifier input select. |
| 5 | Stereo amplifier balance select. | Stereo amplifier balance select. | Stereo amplifier balance select. | - | - |
| 6 | Stereo amplifier volume control. | Stereo amplifier volume control. | Stereo amplifier volume control. | Stereo amplifier volume control. | Stereo amplifier volume control. |
| 7 | Stereo amplifier mute. | Stereo amplifier mute. | Stereo amplifier mute. | Stereo amplifier mute. | Stereo amplifier mute. |
| 8 | CDXt display mode. | - | DVD quick access zoom. | DVD quick access zoom. | - |
| 9 | CDXt audio phase invert. | - | DVD quick access angle. | DVD quick access angle. | - |
| 10 | CDXt next/previous track. | Tuner next/previous preset. | DVD next/previous chapter/title. | DVD next/previous chapter/title. | - |
| 11 | CDXt next track. | Tuner next preset. | DVD cursor up. | DVD cursor up. | - |
| 12 | CDXt search forward. | Tuner scan up. | DVD cursor right. | DVD cursor right. | Adj + |
| 13 | CDXt previous track. | Tuner previous preset. | DVD cursor down. | DVD cursor down. | - |
| 14 | CDXt search reverse. | Tuner scan down. | DVD cursor left. | DVD cursor left. | Adj - |
| 15 | - | - | DVD OK. | DVD OK. | Adj exit. |
| 16 | CDXt display off. | Tuner display off. | DVD display off. | DVD display off. | Surround decoder display off**. |
| 17 | CDXt play/pause/stop. | - | DVD play/pause/stop. | DVD play/pause/stop. | - |
| 18 | CDXt track select. | Tuner preset select. | DVD chapter/title select. | DVD chapter/title select. | Surround decoder speaker and subwoofer setup. |
| 19 | CDXt track memory store. | Tuner preset store. | - | - | - |
| 20 | - | - | DVD chapter/title mode. | DVD chapter/title mode. | - |
| 21 | - | - | DVD OSD activate. | DVD OSD activate. | - |
| 22 | - | - | DVD menu select. | DVD menu select. | - |
| 23 | AV SETUP MODE SELECT - Surround decoder power on. | | | | |
| 24 | - | - | - | - | Surround decoder mode setup. |
| 25 | - | - | - | - | Surround decoder noise setup. |
| 26 | - | Tuner stereo/mono. | - | Surround decoder stereo mode select. | Surround decoder input setup. |

* Decoder may require optional software upgrade to activate this feature.



TROUBLESHOOTING GUIDE

If your CDXt is not operating properly, disconnect the power and check all connections using the notes in this handbook. If problems persist, the checklist below may help.

If you are in any doubt, consult your dealer.

| |
|--|
| Disc Spinning with no sound |
| Switch off the power to the audio system. Check the connection from the 'DIGITAL OUT' socket of the CDXt to the D/A converter. Check also that power is applied to the D/A converter and amplifier and that the input selection and volume control of these units is correctly set. Pause may have been set. Check for the pause symbol on the display. Press the PLAY/PAUSE key again on the front panel or handset to cancel pause. |
| Skipping tracks or distorted sound |
| The disc may be dirty or badly scratched. Try playing another disc. If the other disc plays ok, try cleaning the 1 st disc. |
| Indication 'Disc error' on the display |
| The disc will not read. It may be dirty or defective. |
| No display |
| The display may have been switched off at the handset. Press the display key again to restore the display and backlight. |
| No Remote Operation |
| The handset may not be set to control the CDXt. Press the CD button and retry commands. The handset batteries may need to be replaced: Remove the battery compartment cover located underneath the unit. Remove the batteries and replace with new ones carefully noting the orientation marked in the bottom of the battery case. The batteries in the unit should only be replaced with new batteries type AAA (I.E.C. LR03). |

Specifications

Power Supply

Voltage:..... As plate on rear of unit

Power Consumption

Playing 7.5W
Standby..... 5.5W

EMC & Safety Compliance (230V).....CE
EMC & Safety Compliance (115V).....cCSAus

Enclosure

Dimensions (WxHxD)215 x 75 x 365mm
Weight..... 3.5Kg
Material Die cast chassis

Audio Performance

Coaxial Digital Output..... 500mV pk-pk
Output Impedance 75Ω
Optical Output Toslink optical connection
Sample rate accuracy..... 44.1k ± 50ppm
Clock Jitter >80pS
Disc compatibility..... CD Audio, CD-R

Cyrus reserves the right to change all specifications without notice. E &OE

Laser Product

This label on the rear panel tells you that the unit contains a Laser component. Opening this unit will expose the user to radiation from the laser beam.



WARRANTY

The warranty card enclosed should be completed by the Dealer and the purchaser and returned to CYRUS or its Distributor within 8 days of purchase. No Dealer or Distributor may vary the terms of this warranty which is personal to the original Purchaser and is not transferable.

Please retain the sales receipt as proof of purchase.

Warranty claims must wherever possible be made through the Dealer from whom the equipment was purchased.

This warranty excludes:

- Damage caused through neglect, accident, misuse, wear and tear, or through incorrect installation, adjustment or repair by unauthorised personnel. Any unauthorised servicing will result in loss of guarantee.
- Liability for damage or loss occurring in transit to or from the purchaser.
- Consequential damage, loss or injury, arising from or in conjunction with this equipment.

Equipment for attention under warranty should be consigned return carriage paid. If returned equipment is found to comply with the published specification, CYRUS reserves the right to raise a charge.

The above conditions do not affect your statutory rights as a consumer.