



Erweitertes ThinkPad CD-RW/DVD-ROM Combo Ultrabay-Laufwerk

Benutzerhandbuch



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Anmerkung

Vor der Installation dieses Produkts sollten Sie die Informationen im Handbuch *Safety Booklet* zu Ihrem ThinkPad lesen.

Anmerkung

Bewahren Sie Ihren Kaufnachweis gut auf, da Sie ihn bei der Inanspruchnahme von Gewährleistungsservices möglicherweise benötigen. Weitere Informationen hierzu finden Sie in Anhang B, „IBM Statement of Limited Warranty - Z125-4753-07 - 11/2002“, auf Seite 13.

Erste Ausgabe (Oktober 2003)

Diese Veröffentlichung ist eine Übersetzung des Handbuchs
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Änderung des Textes bleibt vorbehalten.

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Sicherheitshinweise: Bitte zuerst lesen

Before installing this product, read the Safety Information.

مج، يجب قراءة دات السلامة

Antes de instalar este produto, leia as Informações de Segurança.

Prije instalacije ovog produkta obavezno pročitajte Sigurnosne Upute.

Před instalací tohoto produktu si přečtěte příručku bezpečnostních instrukcí.

Læs sikkerhedsforskrifterne, før du installerer dette produkt.

Ennen kuin asennat tämän tuotteen, lue turvaohjeet kohdasta Safety Information.

Avant d'installer ce produit, lisez les consignes de sécurité.

Vor der Installation dieses Produkts die Sicherheitshinweise lesen.

Πριν εγκαταστήσετε το προϊόν αυτό, διαβάστε τις πληροφορίες ασφάλειας (safety information).

לפני שתתקינו מוצר זה, קראו את הוראות הבטיחות.

A termék telepítése előtt olvassa el a Biztonsági előírásokat!

Prima di installare questo prodotto, leggere le Informazioni sulla Sicurezza.

製品の設置の前に、安全情報をお読みください。

본 제품을 설치하기 전에 안전 정보를 읽으십시오.

Пред да се инсталира овој продукт, прочитајте информацијата за безбедност.

Lees voordat u dit product installeert eerst de veiligheidsvoorschriften.

Les sikkerhetsinformasjonen (Safety Information) før du installerer dette produktet.

Przed zainstalowaniem tego produktu, należy zapoznać się z książką "Informacje dotyczące bezpieczeństwa" (Safety Information).

Antes de instalar este produto, leia as Informações sobre Segurança.

Перед установкой продукта прочтите инструкции по технике безопасности.

Pred inštaláciou tohto zariadenia si pečítajte Bezpečnostné predpisy.

Pred namestitvijo tega proizvoda preberite Varnostne informacije.

Antes de instalar este producto lea la información de seguridad.

Läs säkerhetsinformationen innan du installerar den här produkten.

安裝本產品之前，請先閱讀「安全資訊」。

Kapitel 1. Produktinformationen zum CD-RW-/DVD-Laufwerk

Das vorliegende Handbuch enthält Informationen zur Registrierung, Installation und Verwendung des erweiterten IBM ThinkPad CD-RW/DVD-ROM Combo Ultrabay-Laufwerks und ist auf der CD mit der Software und dem Benutzerhandbuch in den folgenden Sprachen verfügbar:

- Brasilianisches Portugiesisch
- Tschechisch
- Englisch
- Französisch
- Deutsch
- Italienisch
- Japanisch
- Vereinfachtes Chinesisch
- Slowakisch
- Spanisch
- Traditionelles Chinesisch
- Türkisch

Die Anhänge des vorliegenden Handbuchs enthalten Informationen zur Gewährleistung sowie Bemerkungen.

Registrierung des Produkts

Vielen Dank, dass Sie sich für dieses Produkt von IBM entschieden haben. Bitte nehmen Sie sich etwas Zeit, um Ihr Produkt zu registrieren und IBM durch einige Informationen zu ermöglichen, Ihnen in Zukunft einen noch besseren Service zu bieten. Ihre Rückmeldung hilft IBM bei der Entwicklung von Produkten und Services sowie besserer Kommunikationsmöglichkeiten. Registrieren Sie Ihr Produkt auf der IBM Website unter <http://www.ibm.com/pc/register/>.

IBM sendet Ihnen Informationen und Aktualisierungen zu Ihrem registrierten Produkt zu, es sei denn, Sie geben auf der Website an, dass Sie keine weiteren Informationen wünschen.

Produktbeschreibung

Mit dem erweiterten IBM ThinkPad CD-RW/DVD Combo Ultrabay-Laufwerk können CD-RWs (wiederbeschreibbare CDs) und CD-Rs (beschreibbare CDs) beschrieben und gelesen sowie herkömmliche CDs und DVDs gelesen werden. Mit diesem Laufwerk können außerdem Datenträger vom Typ DVD-RAM, DVD-R und DVD-RW gelesen werden.

CD-Rs können mit max. 24facher Geschwindigkeit beschrieben werden, während CD-RWs mit max. 24facher Geschwindigkeit beschrieben und wiederbeschrieben werden können. CDs können mit max. 24facher Geschwindigkeit, DVDs mit max. 8facher Geschwindigkeit gelesen werden. Der Pufferunterlaufschutz in diesem Laufwerk kann das Auftreten einiger Fehlertypen beim Aufzeichnen minimieren. Zusätzliche Informationen finden Sie im Abschnitt „Fehlerbehebung“ auf Seite 9.

Neben dem vorliegenden Handbuch ist im Lieferumfang des Produkts Folgendes enthalten:

- CD-RW-/DVD-Laufwerk
- Transportbehälter
- CD mit der Software und dem Benutzerhandbuch
- Handbuch *Laser Safety Guide*
- Kurzübersicht *Quick Reference Guide*

Anmerkung: Im Lieferumfang ist möglicherweise auch eine Aktualisierungsdiskette für die IBM DVD- oder CD-RW-Software enthalten.

Wenden Sie sich an die Verkaufsstelle, wenn ein Teil fehlt oder beschädigt ist. Bewahren Sie Ihren Kaufnachweis auf. Dieser wird möglicherweise für die Inanspruchnahme von Garantieservices benötigt. Informationen zur technischen Unterstützung finden Sie im Abschnitt Anhang A, „Service and Support“, auf Seite 11.

Installationsvoraussetzungen

Für die Installation des CD-RW-/DVD-Laufwerks benötigen Sie auf Ihrem ThinkPad:

- ThinkPad-System mit einem erweiterten Ultrabay-Laufwerk oder
- ThinkPad-Andockstation oder -Andockstation II mit einem Adapter für das erweiterte ThinkPad-Laufwerk für die Ultrabay 2000-Zusatzeinrichtung
- Betriebssystem Microsoft® Windows® XP oder Microsoft Windows 2000 Professional

Anmerkung: IBM bietet begrenzte Unterstützung für Computer mit den Betriebssystemen mit Desktop Microsoft Windows 95, Microsoft Windows 98, Microsoft Windows Millennium Edition (Me) oder Microsoft Windows NT.

Laufwerk installieren

Der ThinkPad verfügt über die Onlinehilfefunktion "Access ThinkPad", die für Ihren Computer geeignete Anweisungen zur Installation des Laufwerks enthält. Um das CD-RW-/DVD-Laufwerk ordnungsgemäß in der Laufwerkposition des erweiterten Ultrabay-Laufwerks zu installieren, sollten Sie sich an die Anweisungen in der Hilfefunktion "Access ThinkPad" halten.

Position der Laufwerksteuerelemente

Anweisungen zur Position der Laufwerksteuerelemente finden Sie im ThinkPad-Benutzerhandbuch.

Kapitel 2. CD-RW-/DVD-Laufwerk verwenden

Der folgende Abschnitt enthält Informationen zur Handhabung, zum Laden und zur Pflege von DVDs und CDs sowie zur Pflege Ihres CD-RW-/DVD-Laufwerks.

Vorbereitungen

Lesen Sie vor der Verwendung des Laufwerks die folgenden Richtlinien:

- Während des Formatierens oder des Beschreiben eines Datenträgers sollten Sie den ThinkPad nicht bewegen, da dies zu Datenfehlern führen kann. Schränken Sie auch Eingaben über die Tastatur während des Formatierens oder Schreibens eines Datenträgers ein, da diese ebenfalls zu Datenfehlern führen können.
- Der ThinkPad sollte beim Schreiben auf einen Datenträger auf einer ebenen Fläche stehen.
- Vergewissern Sie sich, dass der ThinkPad während der Verwendung des Laufwerks an eine Netzsteckdose angeschlossen ist. Fällt der Akku während des Beschreibens eines Datenträgers aus, wird der Datenträger möglicherweise beschädigt.
- Schalten Sie möglicherweise vorhandene Bildschirmschoner aus. Die Verwendung eines Bildschirmschoners kann den Formatierungs- und Schreibvorgang unterbrechen.
- Versetzen Sie den ThinkPad während eines Schreibvorgangs auf einen Datenträger nicht in den Hibernationsmodus oder in den Modus "Betrieb aussetzen".

Anmerkung: Die Ergebnisse der Lese- und Schreibvorgänge auf dem Laufwerk hängen von der Qualität und den Kenndaten der verwendeten DVD oder CD ab.

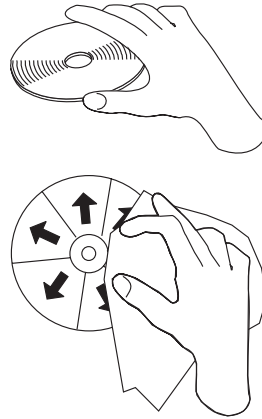
Verwendung und Pflege von Datenträgern

Um die Lesbarkeit zu erhalten, sollten Sie insbesondere Datenträger, die beschrieben werden können, wie z. B. CD-Rs und CD-RWs, mit Sorgfalt handhaben und reinigen. Sie können die Lebensdauer der Datenträger verlängern, wenn Sie die folgenden Vorsichtsmaßnahmen ergreifen:

- CD-ROMs immer in der Originalverpackung aufbewahren
- CD-ROMs nicht direkter Sonneneinstrahlung aussetzen
- CD-ROMs von direkten Wärmequellen fernhalten
- CD-ROMs aus dem Computer entnehmen, wenn sie nicht gebraucht werden
- CD-ROMs VOR jeder Verwendung auf Kratzer überprüfen
- CD-ROMs nicht mit Gewalt in das Laufwerk einlegen/in die Verpackung zurücklegen
- CD-ROMs nicht biegen

WICHTIG: Keine CD-ROMs verwenden, die Kratzer aufweisen.

<p>Achtung: Das Abwischen eines Datenträgers mit kreisförmigen Bewegungen kann zu Datenverlust führen.</p>



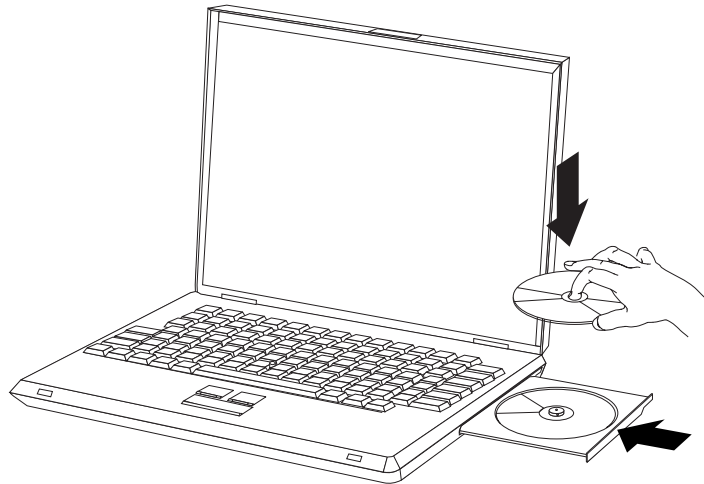
- Fassen Sie die Datenträger immer an den Kanten oder am Loch in der Mitte an. Berühren Sie nicht die Oberfläche.
- Zum Entfernen von Staub oder Fingerabdrücken wischen Sie die Datenträger von der Mitte zu den Kanten hin mit einem weichen, fusselfreien Tuch ab.
- Schreiben Sie nicht auf die Oberfläche der Datenträger.
- Setzen Sie die Datenträger keiner direkten Sonneneinstrahlung aus.
- Verwenden Sie keine Reinigungsmittel zum Reinigen der Datenträger.
- Biegen Sie die Datenträger nicht.

Pflege des CD-RW-/DVD-Laufwerk

Um das Laufwerk während des Betriebs zu schützen, beachten Sie die folgenden Vorsichtsmaßnahmen:

- Entnehmen Sie den Datenträger aus dem Laufwerk, bevor Sie das Laufwerk bewegen.
- Legen Sie keine anderen Gegenstände in das Laufwerk ein.
- Stapeln Sie keine Gegenstände auf dem Laufwerk.
- Entfernen Sie nicht die Abdeckung des Laufwerks, und versuchen Sie nicht, das Laufwerk zu reparieren.
- Nehmen Sie das Laufwerk nicht unter den folgenden Bedingungen in Betrieb:
 - Hohe Temperaturen, hohe Luftfeuchtigkeit oder direkte Sonneneinstrahlung
 - Starke Erschütterungen, plötzliche Stöße oder schräge Flächen
 - Große Staubmengen

Datenträger einlegen

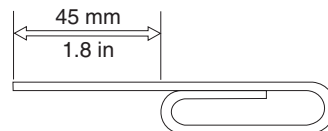


1. Drücken Sie die Entnahmetaste. Der Schlitten des Laufwerks wird ausgefahren.
2. Legen Sie einen Datenträger mit der beschrifteten Seite nach oben in den Schlitten.
3. Schließen Sie das Laufwerk, indem Sie den Schlitten mit leichtem Druck in das Laufwerk schieben.

Achtung: Öffnen Sie den Schlitten nicht gewaltsam, und verwenden Sie zum Öffnen keine Fremdkörper. Öffnet sich der Schlitten nicht, wenn Sie die Entnahmetaste drücken, finden Sie weitere Informationen im Abschnitt „CD manuell ausgeben“.

CD manuell ausgeben

Wenn Sie die Entnahmetaste drücken und das Fach nicht ausgefahren wird, schalten Sie den Computer aus, und biegen Sie eine Büroklammer auseinander, um sie, wie in der Abbildung dargestellt, als Werkzeug verwenden zu können. Das auseinandergebogene Ende muss mindestens 45 mm lang sein. Führen Sie das lange Ende in die Notentnahmeöffnung an der Vorderseite des Laufwerks ein. Schieben Sie die Büroklammer in die Öffnung, bis sich das CD-Fach öffnet. Ziehen Sie das Fach vorsichtig heraus, bis Sie die CD entnehmen können.



DVD-Funktion verwenden

Vor der Verwendung von DVDs müssen Sie den Computer nach der Installation des CD-RW-/DVD-Laufwerks in der erweiterten Ultrabay-Laufwerkposition wie folgt konfigurieren:

1. Aktivieren Sie die DMA-Einstellung (nur für Windows XP und Windows 2000).
2. Installieren Sie das Programm "WinDVD" (Programm für DVD-Abspielgerät)

Anmerkung: Unter Windows 95 wird das DVD-Gerät von Windows 95 OSR2.0 oder von höheren Versionen unterstützt. Gehen Sie wie folgt vor, um festzustellen, welche Version von Windows 95 Sie verwenden:

1. Klicken Sie auf **Start**, verschieben Sie den Cursor auf **Einstellungen**, und klicken Sie anschließend auf **Systemsteuerung**.
2. Klicken Sie doppelt auf **System**.

Lesen Sie die Zahlen unter "System".

- 4.00.950B bedeutet, dass es sich bei Ihrer Version um Windows 95 OSR2.0 oder OSR2.1 handelt.
- 4.00.950C bedeutet, dass es sich bei Ihrer Version um Windows 95 OSR2.5 handelt.

DMA-Einstellung aktivieren

In diesem Abschnitt wird das Aktivieren der DMA-Einstellung unter Windows 2000 und Windows XP erläutert.

Unter Windows 2000

1. Klicken Sie auf **Start**, verschieben Sie den Cursor auf **Einstellungen**, und klicken Sie anschließend auf **Systemsteuerung**.
2. Klicken Sie doppelt auf **System**.
3. Klicken Sie auf den Abschnitt **Hardware**.
4. Klicken Sie auf die Schaltfläche **Geräte-Manager**.
5. Klicken Sie auf **IDE ATA/ATAPI-Controller**, um das Untermenü zu öffnen.
6. Klicken Sie doppelt auf **Sekundärer IDE-Kanal**. (Klicken Sie doppelt auf **Primärer IDE-Kanal**, wenn Sie den ThinkPad A21e verwenden.)
7. Wählen Sie als Übertragungsmodus **DMA, wenn verfügbar** aus.
8. Klicken Sie auf **OK**.
9. Klicken Sie auf **Schließen**, um das Fenster "Systemeigenschaften" zu schließen. Eine Nachricht, dass die Systemeinstellungen geändert wurden, wird angezeigt.
10. Klicken Sie auf **OK**, um den Computer erneut zu starten.

Unter Windows XP

1. Klicken Sie auf **Start**, verschieben Sie den Cursor auf **Arbeitsplatz**, und klicken Sie anschließend darauf.
2. Klicken Sie unter "Systeminformationen anzeigen" auf **Systemvorgänge**.
3. Klicken Sie auf den Abschnitt **Hardware**.
4. Klicken Sie auf die Schaltfläche **Geräte-Manager**.
5. Klicken Sie auf **IDE ATA/ATAPI-Controller**, um das Untermenü zu öffnen.
6. Klicken Sie doppelt auf **Sekundärer IDE-Kanal**. (Klicken Sie doppelt auf **Primärer IDE-Kanal**, wenn Sie den ThinkPad A21e verwenden.)
7. Klicken Sie auf den Abschnitt **Erweiterte Einstellungen**.
8. Wählen Sie als Übertragungsmodus **DMA, wenn verfügbar** aus.
9. Klicken Sie auf **OK**.
10. Klicken Sie auf **Schließen**, um das Fenster "Systemeigenschaften" zu schließen.

WinDVD installieren und DVD-Filme anzeigen

Um das Programm "WinDVD" zu installieren, wählen Sie die Option "Software" auf der CD mit der Software und dem Benutzerhandbuch aus.

Nachdem Sie das CD-RW-/DVD-Laufwerk und das Programm "WinDVD" installiert haben, können Sie einen DVD-Film abspielen. Dazu müssen Sie jedoch zunächst den DVD-Regionscode für den gewünschten DVD-Inhalt angeben.

DVD-Regionscodes

Durch DVD-Regionscodes wird der Inhalt von DVDs geschützt. Die Welt wird in sechs Regionen unterteilt. Dabei kann ein bestimmter Teil des Inhalts nur in der Region abgespielt werden, für die er bestimmt ist. Der Inhalt für Region 1 (Vereinigte Staaten und Kanada) kann beispielsweise nur in Region 1 abgespielt werden. Das Programm "WinDVD" ist ebenfalls regionsbezogen.

Sie können den Regionscode des Inhalts anhand des Symbols für den Regionscode erkennen, das sich auf der Rückseite der Verpackung befindet.

Regionscode	Region
1	USA, Kanada
2	Europa, Mittlerer Osten, Südafrika, Japan
3	Südostasien, Taiwan, Korea
4	Lateinamerika, Australien, Neuseeland
5	Ehemalige Sowjetunion, Nordafrika, Indien
6	Volksrepublik China

Starten Sie das Programm "WinDVD", indem Sie eine DVD in das Laufwerk einlegen. Der Regionscode wird automatisch eingestellt, und Sie können den Film anzeigen. Dies ist die anfängliche Einstellung.

Nach dem Einstellen des Regionscodes werden Sie beim Einlegen einer DVD mit einem anderen Regionscode aufgefordert, den Regionscode zu ändern. Sie können den Regionscode nach der anfänglichen Einstellung noch bis zu viermal ändern.

Wenn Sie den Regionscode nach der anfänglichen Einstellung viermal geändert haben, ist er endgültig festgelegt und kann nicht mehr geändert werden. Sie können dann nur noch den DVD-Inhalt anzeigen, der für die zuletzt festgelegte Region bestimmt ist.

Um den Status des Regionscodes anzuzeigen, klicken Sie in der Benutzeroberfläche des Programms "WinDVD" auf den Knopf **WinDVDProperties**. Die Informationen hierzu befinden sich im Abschnitt **General**.

Programm "WinDVD"

Gehen Sie wie folgt vor, um das Programm "WinDVD" zu starten:

1. Klicken Sie auf **Start**.
2. Klicken Sie auf **Programme**.
3. Klicken Sie auf **InterVideo WinDVD**.
4. Klicken Sie auf **InterVideo WinDVD**, um das Fenster zum Anzeigen von DVD-Filmen zu öffnen.

Weitere Informationen zur Verwendung der DVD-Film-Wiedergabefunktion finden Sie im Hilfetext zum Programm "WinDVD" auf der CD mit der Software und dem Benutzerhandbuch. Wenn Sie einen DVD-Film auf Ihrem Fernseher anschauen möchten, finden Sie Informationen dazu in den Onlineinformationen zu Ihrem Computer.

Anmerkungen:

1. Ihr Computer wurde so konfiguriert, dass bei der Audio- und Videowiedergabe die mit Hilfe der verfügbaren Systemressourcen bestmögliche Qualität erreicht wird. Sie können die Standardeinstellungen ändern, indem Sie in der Systemsteuerung die Einstellungen für die Bildschirmauflösung ändern. Einige Systeme verfügen nicht über die nötigen Ressourcen, um die Audio- und Videowiedergabe in allen Auflösungseinstellungen in voller Qualität zu gewährleisten. Wenn die Wiedergabequalität zu schlecht ist, wählen Sie eine geringere Auflösung aus.
2. Audio- und Videodatenströme werden mit Hilfe von Software decodiert. Die Audio- und Videosubsysteme müssen voll funktionsfähig und aktiviert sein.

CD-R- und CD-RW-Funktion verwenden

Mit dem CD-RW-/DVD-Laufwerk können sowohl CD-Rs als auch CD-RWs gelesen werden. CD-Rs können nicht gelöscht, jedoch auf herkömmlichen CD-ROM-Laufwerken und CD-Spielern abgespielt werden.

Sie können CD-Rs zum Aufzeichnen von Tonspuren, zum Speichern von Daten, zum Archivieren von Dateien und zum Kopieren von Dateien von einer anderen CD verwenden.

CD-RWs können gelöscht und erneut beschrieben werden. Sie können jedoch nur mit neueren Multi-Read- und CD-RW-kompatiblen CD-ROM- und DVD-ROM-Laufwerken verwendet werden. Sie können CD-RWs zum Sichern, Speichern und Aktualisieren von Dateien verwenden, oder zum Kopieren von Dateien von einer anderen CD.

Anmerkungen:

1. CD-Rs können auf Audio-CD-Spielern abgespielt werden. CD-RWs können auf den meisten CD-Spielern nicht abgespielt werden.
2. Die im Lieferumfang dieses Laufwerks enthaltene Software aktiviert die Funktion für das Beschreiben von CDs **nicht** für die Betriebssysteme DOS, Windows 3.x oder IBM OS/2®.

Weitere Informationen zur Verwendung der Software erhalten Sie im Hilfetext zur Software "IBM RecordNow" oder "IBM DLA" auf der CD mit der Software und dem Benutzerhandbuch.

CD sichern

Wenn Sie eine kommerzielle CD kopieren möchten, müssen Sie über das Copyright verfügen oder die Berechtigung vom Copyright-Eigner erwerben. Wenn Sie nicht über das Copyright verfügen oder die Berechtigung des Copyright-Eigners nicht erwerben konnten, verstoßen Sie möglicherweise gegen das Copyright und können zu einer Schadensersatzzahlung oder einer anderen Form der Entschädigung herangezogen werden. Weitere Informationen zum Copyright erhalten Sie von einem Rechtsberater.

Fehlerbehebung

Systemfehler können durch Hard- oder Softwarefehler oder durch einen Fehler des Benutzers entstehen. Mit Hilfe der Informationen in diesem Abschnitt können Sie möglicherweise Fehler selbst beheben oder nützliche Informationen zusammenstellen, die Sie einem Kundendiensttechniker mitteilen können. Möglicherweise müssen Sie auch in der Dokumentation zu Ihrem Computer, Ihrem Betriebssystem oder Ihrer Audiokarte nachschlagen.

Prüfen Sie in der folgenden Liste nach, ob eine Fehlerbeschreibung auf Ihre Situation zutrifft.

Sie können Datenträger nicht in mehreren Sitzungen erstellen.

Vergewissern Sie sich, dass auf der CD noch genügend Speicherplatz für eine weitere Sitzung zur Verfügung steht. Zum Schreiben einer Sitzung wird zusätzlich zu den zu speichernden Daten ein Anfangs- und ein Endbereich benötigt (ca. 15 MB).

Sie können nicht auf eine CD-R oder CD-RW schreiben.

Gehen Sie wie folgt vor:

1. Vergewissern Sie sich, dass der Vorgang nicht durch einen Bildschirmschoner, ein Antivirenprogramm, ein Internet- oder E-Mail-Programm oder andere Software unterbrochen wird. Inaktivieren Sie die Funktionen, die den Schreibvorgang unterbrechen könnten.
2. Vergewissern Sie sich, dass die Festplatte defragmentiert wurde.
3. Wenden Sie sich an den Hersteller oder an den Verkäufer der Festplatte, wenn ein älteres Festplattenlaufwerk während eines Schreibvorgangs eine Wärmekalibrierung vornimmt.
4. Tauschen Sie die CD aus, wenn sie fehlerhaft oder zerkratzt ist.
5. Inaktivieren Sie die Funktion "Automatische Benachrichtigung beim Wechsel" für Ihr CD-ROM- oder CD-RW-Laufwerk.

Die CD wird nicht ausgegeben.

Gehen Sie wie folgt vor, nachdem Sie sichergestellt haben, dass nicht vom Laufwerk auf einen Datenträger geschrieben wird:

1. Versuchen Sie, die CD mit Hilfe der Software auszugeben.
2. Drücken Sie die Entnahmetaste.
3. Schalten Sie den Computer aus. Warten Sie 45 Sekunden, und schalten Sie den Computer anschließend erneut ein. Drücken Sie erneut die Entnahmetaste.
4. Wenn diese Maßnahmen fehlschlagen, verwenden Sie die Notentnahmeöffnung entsprechend den Anweisungen im Abschnitt „CD manuell ausgeben“ auf Seite 5.

Nach einem erfolgreich abgeschlossenen Schreibvorgang können Sie die CD nicht lesen.

Gehen Sie wie folgt vor:

1. Wenn Sie die CD in einem anderen CD-Spieler lesen können bzw. wenn Sie vorherige Sitzungen sehen können, sind möglicherweise die Verzeichnisinformationen auf dem Datenträger beschädigt, so dass er unlesbar ist. Informationen zur Fehlerbehebung finden Sie in der Dokumentation zu der verwendeten Software.
2. Die CD-R oder CD-RW ist möglicherweise beschädigt. Verwenden Sie eine andere CD-R oder CD-RW oder eine CD von einem anderen Hersteller.
3. Wenn Sie den Inhalt einer CD-RW mit Hilfe des zum Beschreiben verwendeten Laufwerks lesen können, aber nicht in einem anderen MR-Laufwerk, vergewissern Sie sich, dass ein UDF-Leseprogramm auf dem Computer installiert ist.
4. Vermeiden Sie das Schreiben mit der niedrigeren Schreibgeschwindigkeit 1X, sofern Ihr Computers dies nicht erfordert.

Sie erhalten beim Kopieren von CDs oder beim Erstellen von Daten-CDs Fehlermeldungen aufgrund von Pufferunterlauf.

Gehen Sie wie folgt vor:

1. Wenn die Dateiquelle ein Netzwerk oder eine austauschbare Einheit ist, kopieren Sie zuerst die Dateien auf die lokale Festplatte.
2. Wenn Sie **CD copier** verwenden, wählen Sie **Advanced** aus, und aktivieren Sie die Option **Copy to Hard Disk**.
3. Wenn Sie **RecordNow** verwenden, wählen Sie **Options -> Advanced** aus, und stellen Sie sicher, dass die Option **lossless linking** aktiviert ist.
4. Versuchen Sie, die Schreibgeschwindigkeit zu reduzieren.
5. Stellen Sie sicher, dass die Quell- und Zieleinheiten im DMA-Modus betrieben werden. Weitere Informationen finden Sie im Abschnitt „DMA-Einstellung aktivieren“ auf Seite 6.

Anhang A. Service and Support

The following information describes the technical support that is available for your product, during the warranty period or throughout the life of the product. Refer to your IBM Statement of Limited Warranty for a full explanation of IBM warranty terms.

Online technical support

Online technical support is available during the life of your product through the Personal Computing Support Web site at www-3.ibm.com/pc/support/site.wss/.

During the warranty period, assistance for replacement or exchange of defective components is available. In addition, if your IBM option is installed in an IBM computer, you might be entitled to service at your location. Your technical support representative can help you determine the best alternative.

Telephone technical support

Installation and configuration support through the IBM HelpCenter[®] will be withdrawn or made available for a fee, at IBM's discretion, 90 days after the option has been withdrawn from marketing. Additional support offerings, including step-by-step installation assistance, are available for a nominal fee.

To assist the technical support representative, have available as much of the following information as possible:

- Option name
- Option number
- Proof of purchase
- Computer manufacturer, model, serial number (if IBM), and manual
- Exact wording of the error message (if any)
- Description of the problem
- Hardware and software configuration information for your system

If possible, be at your computer. Your technical support representative might want to walk you through the problem during the call.

For the support telephone number and support hours by country, refer to the following table. If the number for your country or region is not listed, contact your IBM reseller or IBM marketing representative. Response time may vary depending on the number and nature of the calls received.

Phone numbers are subject to change without notice. For the latest phone number list, go to www-3.ibm.com/pc/support/site.wss/ and click **Support Phone List**.

Country or Region	Telephone Number	Country or Region	Telephone Number
Argentina	0800-666-0011	Malaysia	03-7727-7800
Australia	1300-130-426	Mexico	001-866-434-2080
Austria	01-24592-5901	Netherlands	020-514-5770
Belgium	Dutch 02-210-9820 French 02-210-9800	New Zealand	0800-446-149
Bolivia	0800-0189	Norway	66 81 11 00
Brazil	55-11-3889-8986	Peru	0-800-50-866
Canada	1-800-565-3344 Toronto 416-383-3344	Philippines	632-995-2225
Chile	800-224-488	Portugal	21-791 51 47
China (PRC)	800-810-1818	Russia	095-940-2000
China (Hong Kong S.A.R.)	852-2825-7799	Singapore	1800-840-9911
Columbia	980-912-3021	Spain	91-662 49 16
Denmark	45 20 82 00	Sweden	08-477 4420
Ecuador	1-800-426911 (option #4)	Switzerland	058-333-09-00
Finland	09-459 69 60	Taiwan	886-2-2725-9799
France	02 38 55 74 50	Thailand	66-2-273-4000
Germany	07032-1549 201	Turkey	00-800-446-32-041
Indonesia	021-523-8535	United Kingdom	0-1475-555 055
Ireland	01-815-9202	United States	1-800-426-7378
Italy	02-7031-6101	Uruguay	000-411-005-6649
Japan	Consumer customers 0120-887-870 Business customers 0120-887-874	Venezuela	0-800-100-2011
Luxembourg	298-977 5063	Vietnam	848-8295-160

Anhang B. IBM Statement of Limited Warranty - Z125-4753-07 - 11/2002

Part 1 - General Terms

This Statement of Limited Warranty includes Part 1 - General Terms, Part 2 - Country-unique Terms, and Part 3 - Warranty Information. The terms of Part 2 replace or modify those of Part 1. The warranties provided by IBM in this Statement of Limited Warranty apply only to Machines you purchase for your use, and not for resale. The term "Machine" means an IBM machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term "Machine" does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. Nothing in this Statement of Limited Warranty affects any statutory rights of consumers that cannot be waived or limited by contract.

What this Warranty Covers

IBM warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to IBM's Official Published Specifications ("Specifications") which are available on request. The warranty period for the Machine starts on the original Date of Installation and is specified in Part 3 - Warranty Information. The date on your invoice or sales receipt is the Date of Installation unless IBM or your reseller informs you otherwise. Many features, conversions, or upgrades involve the removal of parts and their return to IBM. A part that replaces a removed part will assume the warranty service status of the removed part. Unless IBM specifies otherwise, these warranties apply only in the country or region in which you purchased the Machine.

THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

What this Warranty Does not Cover

This warranty does not cover the following:

- any software programs, whether pre-loaded or shipped with the Machine, or installed subsequently;
- failure resulting from misuse (including but not limited to use of any Machine capacity or capability, other than that authorized by IBM in writing), accident, modification, unsuitable physical or operating environment, or improper maintenance by you;
- failure caused by a product for which IBM is not responsible; and

- any non-IBM products, including those that IBM may procure and provide with or integrate into an IBM Machine at your request.

The warranty is voided by removal or alteration of identification labels on the Machine or its parts.

IBM does not warrant uninterrupted or error-free operation of a Machine.

Any technical or other support provided for a Machine under warranty, such as assistance via telephone with "how-to" questions and those regarding Machine set-up and installation, is provided **WITHOUT WARRANTIES OF ANY KIND**.

How to Obtain Warranty Service

If the Machine does not function as warranted during the warranty period, contact IBM or your reseller to obtain warranty service. If you do not register the Machine with IBM, you may be required to present proof of purchase as evidence of your entitlement to warranty service.

What IBM Will Do to Correct Problems

When you call for service, you must follow the problem determination and resolution procedures that IBM specifies. A technician will attempt to make an initial diagnosis of your problem and help you resolve it over the telephone.

The type of warranty service applicable to your Machine is specified in Part 3 - Warranty Information.

You are responsible for downloading and installing designated Machine Code (microcode, basic input/output system code (called "BIOS"), utility programs, device drivers, and diagnostics delivered with an IBM Machine) and other software updates from an IBM Internet Web site or from other electronic media, and following the instructions that IBM provides.

If your problem can be resolved with a Customer Replaceable Unit ("CRU") (e.g., keyboard, mouse, speaker, memory, hard disk drive and other easily replaceable parts), IBM will ship these parts to you for replacement by you.

If the Machine does not function as warranted during the warranty period and your problem cannot be resolved over the telephone, through your application of Machine Code or software updates, or with a CRU, IBM or your reseller, if approved by IBM to provide warranty service, will either, at its discretion, 1) repair it to make it function as warranted, or 2) replace it with one that is at least functionally equivalent. If IBM is unable to do either, you may return the Machine to your place of purchase and your money will be refunded.

IBM or your reseller will also manage and install selected engineering changes that apply to the Machine.

Exchange of a Machine or Part

When the warranty service involves the exchange of a Machine or part, the item IBM or your reseller replaces becomes its property and the replacement becomes yours. You represent that all removed items are genuine and unaltered. The

replacement may not be new, but will be in good working order and at least functionally equivalent to the item replaced. The replacement assumes the warranty service status of the replaced item.

Your Additional Responsibilities

Before IBM or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service.

You also agree to:

1. ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange;
2. obtain authorization from the owner to have IBM or your reseller service a Machine that you do not own; and
3. where applicable, before service is provided:
 - a. follow the service request procedures that IBM or your reseller provides;
 - b. backup or secure all programs, data, and funds contained in the Machine;
 - c. IBM or your reseller with sufficient, free, and safe access to your facilities to permit IBM to fulfill its obligations; and
 - d. inform IBM or your reseller of changes in the Machine's location.
4. (a) ensure all information about identified or identifiable individuals (Personal Data) is deleted from the Machine (to the extent technically possible), (b) allow IBM, your reseller or an IBM supplier to process on your behalf any remaining Personal Data as IBM or your reseller considers necessary to fulfill its obligations under this Statement of Limited Warranty (which may include shipping the Machine for such processing to other IBM service locations around the world), and (c) ensure that such processing complies with any laws applicable to such Personal Data.

Limitation of Liability

IBM is responsible for loss of, or damage to, your Machine only while it is 1) in IBM's possession or 2) in transit in those cases where IBM is responsible for the transportation charges.

Neither IBM nor your reseller are responsible for any of your confidential, proprietary or personal information contained in a Machine which you return to IBM for any reason. You should remove all such information from the Machine prior to its return.

Circumstances may arise where, because of a default on IBM's part or other liability, you are entitled to recover damages from IBM. In each such instance, regardless of the basis on which you are entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), except for any liability that cannot be waived or limited by applicable laws, IBM is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and
2. the amount of any other actual direct damages, up to the charges (if recurring, 12 months' charges apply) for the Machine that is subject of the claim. For purposes of this item, the term "Machine" includes Machine Code and Licensed Internal Code ("LIC").

This limit also applies to IBM's suppliers and your reseller. It is the maximum for which IBM, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS IBM, ITS SUPPLIERS OR RESELLERS LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, DATA; 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; OR 4) LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

Governing Law

Both you and IBM consent to the application of the laws of the country in which you acquired the Machine to govern, interpret, and enforce all of your and IBM's rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Statement of Limited Warranty, without regard to conflict of law principles.

THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION.

Jurisdiction

All of our rights, duties, and obligations are subject to the courts of the country in which you acquired the Machine.

Part 2 - Country-unique Terms

AMERICAS

ARGENTINA

Governing Law: *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the Ordinary Commercial Court of the city of Buenos Aires.

BRAZIL

Governing Law: *The following is added after the first sentence:*

Any litigation arising from this Statement of Limited Warranty will be settled exclusively by the court of Rio de Janeiro, RJ.

Peru

Limitation of Liability: *The following is added at the end of this section:*

In accordance with Article 1328 of the Peruvian Civil Code the limitations and exclusions specified in this section will not apply to damages caused by IBM's willful misconduct ("dolo") or gross negligence ("culpa inexcusable").

NORTH AMERICA

How to Obtain Warranty Service: *The following is added to this Section:*
To obtain warranty service from IBM in Canada or the United States, call 1-800-IBM-SERV (426-7378).

CANADA

Limitation of Liability: *The following replaces item 1 of this section:*

1. damages for bodily injury (including death) or physical harm to real property and tangible personal property caused by IBM's negligence; and

Governing Law: *The following replaces „laws of the country in which you acquired the Machine” in the first sentence:*
laws in the Province of Ontario.

UNITED STATES

Governing Law: *The following replaces „laws of the country in which you acquired the Machine” in the first sentence:*
laws of the State of New York.

ASIA PACIFIC

AUSTRALIA

What this Warranty Covers: *The following paragraph is added to this Section:*
The warranties specified in this Section are in addition to any rights you may have under the Trade Practices Act 1974 or other similar legislation and are only limited to the extent permitted by the applicable legislation.

Limitation of Liability: *The following is added to this Section:*
Where IBM is in breach of a condition or warranty implied by the Trade Practices Act 1974 or other similar legislation, IBM's liability is limited to the repair or replacement of the goods or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

Governing Law: *The following replaces „laws of the country in which you acquired the Machine” in the first sentence:*
laws of the State or Territory.

CAMBODIA, LAOS, AND VIETNAM

Governing Law: *The following replaces „laws of the country in which you acquired the Machine” in the first sentence:*
laws of the State of New York, United States of America.

CAMBODIA, INDONESIA, LAOS, AND VIETNAM

Arbitration: The following is added under this heading:

Disputes arising out of or in connection with this Statement of Limited Warranty shall be finally settled by arbitration which shall be held in Singapore in accordance with the Arbitration Rules of Singapore International Arbitration Center ("SIAC Rules") then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

The number of arbitrators shall be three, with each side to the dispute being entitled to appoint one arbitrator. The two arbitrators appointed by the parties shall appoint a third arbitrator who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the SIAC. Other vacancies shall be filled by the respective nominating party. Proceedings shall continue from the stage they were at when the vacancy occurred.

If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days of the date the other party appoints its, the first appointed arbitrator shall be the sole arbitrator, provided that the arbitrator was validly and properly appointed. All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Statement of Limited Warranty prevails over any other language version.

HONG KONG S.A.R. OF CHINA AND MACAU S.A.R. OF CHINA

Governing Law: *The following replaces „laws of the country in which you acquired the Machine“ in the first sentence:*
laws of Hong Kong Special Administrative Region of China.

INDIA

Limitation of Liability: *The following replaces items 1 and 2 of this Section:*

1. liability for bodily injury (including death) or damage to real property and tangible personal property will be limited to that caused by IBM's negligence; and
2. as to any other actual damage arising in any situation involving nonperformance by IBM pursuant to, or in any way related to the subject of this Statement of Limited Warranty, , the charge paid by you for the individual Machine that is the subject of the claim. For purposes of this item, the term "Machine" includes Machine Code and Licensed Internal Code ("LIC").

Arbitration: *The following is added under this heading :*

Disputes arising out of or in connection with this Statement of Limited Warranty shall be finally settled by arbitration which shall be held in Bangalore, India in accordance with the laws of India then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

The number of arbitrators shall be three, with each side to the dispute being entitled to appoint one arbitrator. The two arbitrators appointed by the parties shall appoint a third arbitrator who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the Bar Council of India. Other vacancies shall be filled by the respective nominating party. Proceedings shall continue from the stage they were at when the vacancy occurred. If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days

of the date the other party appoints its, the first appointed arbitrator shall be the sole arbitrator, provided that the arbitrator was validly and properly appointed.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Statement of Limited Warranty prevails over any other language version.

JAPAN

Governing Law: *The following sentence is added to this section:*

Any doubts concerning this Statement of Limited Warranty will be initially resolved between us in good faith and in accordance with the principle of mutual trust.

MALAYSIA

Limitation of Liability: *The word "SPECIAL" in item 3 of the fifth paragraph is deleted.*

NEW ZEALAND

What this Warranty Covers: *The following paragraph is added to this section:*

The warranties specified in this section are in addition to any rights you may have under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods which IBM provides, if you require the goods for the purposes of a business as defined in that Act.

Limitation of Liability: *The following is added to this section:*

Where Machines are not acquired for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this section are subject to the limitations in that Act.

PEOPLE'S REPUBLIC OF CHINA (PRC)

Governing Law: *The following replaces "laws of the country in which you acquired the Machine" in the first sentence:*

laws of the State of New York, United States of America (except when local law requires otherwise).

PHILIPPINES

Limitation of Liability: *Item 3 in the fifth paragraph is replaced by the following:*

SPECIAL (INCLUDING NOMINAL AND EXEMPLARY DAMAGES), MORAL, INCIDENTAL, OR INDIRECT DAMAGES FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; OR

Arbitration: The following is added under this heading

Disputes arising out of or in connection with this Statement of Limited Warranty shall be finally settled by arbitration which shall be held in Metro Manila, Philippines in accordance with the laws of the Philippines then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

The number of arbitrators shall be three, with each side to the dispute being entitled to appoint one arbitrator. The two arbitrators appointed by the parties shall appoint a third arbitrator who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the Philippine Dispute Resolution Center, Inc.. Other vacancies shall be filled by the respective nominating party. Proceedings shall continue from the stage they were at when the vacancy occurred.

If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days of the date the other party appoints its, the first appointed arbitrator shall be the sole arbitrator, provided that the arbitrator was validly and properly appointed.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Statement of Limited Warranty prevails over any other language version.

SINGAPORE

Limitation of Liability: The words "SPECIAL" and "ECONOMIC" in item 3 in the fifth paragraph are deleted.

EUROPE, MIDDLE EAST, AFRICA (EMEA)

THE FOLLOWING TERMS APPLY TO ALL EMEA COUNTRIES:

The terms of this Statement of Limited Warranty apply to Machines purchased from IBM or an IBM reseller.

Hot to Obtain Warranty Service: If you purchase a Machine in Austria, Belgium, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Portugal, Spain, San Marino, Sweden, Switzerland, United Kingdom or Vatican State, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM, provided the Machine has been announced and made available by IBM in the country in which you wish to obtain service. If you purchased a Personal Computer Machine in Albania, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Federal Republic of Yugoslavia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, or Ukraine, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM.

If you purchase a Machine in a Middle Eastern or African country, you may obtain warranty service for that Machine from the IBM entity within the country of purchase, if that IBM entity provides warranty service in that country, or from an IBM reseller, approved by IBM to perform warranty service on that Machine in that country. Warranty service in Africa is available within 50 kilometers of an IBM approved service provider. You are responsible for transportation costs for Machines located outside 50 kilometers of an IBM approved service provider.

*Add the following paragraph in **Western Europe** (Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Liechtenstein, Luxembourg, Monaco, Netherlands, Norway, Portugal, Spain, San Marino, Sweden, Switzerland, United Kingdom, Vatican State):*

The warranty for Machines acquired in Western Europe shall be valid and applicable in all Western Europe countries provided the Machines have been announced and made available in such countries.

Governing Law:

The phrase "the laws of the country in which you acquired the Machine" is replaced by:

1) "the laws of Austria" in **Albania, Armenia, Azerbaijan, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, FYR Macedonia, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, and FR Yugoslavia;** 2) "the laws of France" in **Algeria, Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo Republic, Djibouti, Democratic Republic of Congo, Equatorial Guinea, French Guiana, French Polynesia, Gabon, Gambia, Guinea, Guinea-Bissau, Ivory Coast, Lebanon, Madagascar, Mali, Mauritania, Mauritius, Mayotte, Morocco, New Caledonia, Niger, Reunion, Senegal, Seychelles, Togo, Tunisia, Vanuatu, and Wallis & Futuna;** 3) "the laws of Finland" in **Estonia, Latvia, and Lithuania;** 4) "the laws of England" in **Angola, Bahrain, Botswana, Burundi, Egypt, Eritrea, Ethiopia, Ghana, Jordan, Kenya, Kuwait, Liberia, Malawi, Malta, Mozambique, Nigeria, Oman, Pakistan, Qatar, Rwanda, Sao Tome, Saudi Arabia, Sierra Leone, Somalia, Tanzania, Uganda, United Arab Emirates, the United Kingdom, West Bank/Gaza, Yemen, Zambia, and Zimbabwe;** and 5) "the laws of South Africa" in **South Africa, Namibia, Lesotho and Swaziland.**

Jurisdiction: *The following exceptions are added to this section:*

1) In **Austria** the choice of jurisdiction for all disputes arising out of this Statement of Limited Warranty and relating thereto, including its existence, will be the competent court of law in Vienna, Austria (Inner-City); 2) in **Angola, Bahrain, Botswana, Burundi, Egypt, Eritrea, Ethiopia, Ghana, Jordan, Kenya, Kuwait, Liberia, Malawi, Malta, Mozambique, Nigeria, Oman, Pakistan, Qatar, Rwanda, Sao Tome, Saudi Arabia, Sierra Leone, Somalia, Tanzania, Uganda, United Arab Emirates, West Bank/Gaza, Yemen, Zambia, and Zimbabwe** all disputes arising out of this Statement of Limited Warranty or related to its execution, including summary proceedings, will be submitted to the exclusive jurisdiction of the English courts; 3) in **Belgium and Luxembourg**, all disputes arising out of this Statement of Limited Warranty or related to its interpretation or its execution, the law, and the courts of the capital city, of the country of your registered office and/or commercial site location only are competent; 4) in **France, Algeria, Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo Republic, Djibouti, Democratic Republic of Congo, Equatorial Guinea, French Guiana, French Polynesia, Gabon, Gambia, Guinea, Guinea-Bissau, Ivory Coast, Lebanon, Madagascar, Mali, Mauritania, Mauritius, Mayotte, Morocco, New Caledonia, Niger, Reunion, Senegal, Seychelles, Togo, Tunisia, Vanuatu, and Wallis & Futuna** all disputes arising out of this Statement of Limited Warranty or related to its violation or execution, including summary proceedings, will be settled exclusively by the Commercial Court of Paris; 5) in **Russia**, all disputes arising out of or in relation to the interpretation, the violation, the termination, the nullity of the execution of this Statement of Limited Warranty shall be settled by Arbitration Court of Moscow; 6) in **South Africa, Namibia, Lesotho and Swaziland**, both of us agree to submit all disputes relating to this Statement of Limited Warranty to the jurisdiction of the High Court in Johannesburg; 7) in **Turkey** all disputes arising out of or in connection with this Statement of Limited Warranty shall be resol-

ved by the Istanbul Central (Sultanahmet) Courts and Execution Directorates of Istanbul, the Republic of Turkey; 8) in each of the following specified countries, any legal claim arising out of this Statement of Limited Warranty will be brought before, and settled exclusively by, the competent court of a) Athens for **Greece**, b) Tel Aviv-Jaffa for **Israel**, c) Milan for **Italy**, d) Lisbon for **Portugal**, and e) Madrid for **Spain**; and 9) **in the United Kingdom**, both of us agree to submit all disputes relating to this Statement of Limited Warranty to the jurisdiction of the English courts.

Arbitration: *The following is added under this heading:*

In Albania, Armenia, Azerbaijan, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, FYR Macedonia, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan, and FR Yugoslavia all disputes arising out of this Statement of Limited Warranty or related to its violation, termination or nullity will be finally settled under the Rules of Arbitration and Conciliation of the International Arbitral Center of the Federal Economic Chamber in Vienna (Vienna Rules) by three arbitrators appointed in accordance with these rules. The arbitration will be held in Vienna, Austria, and the official language of the proceedings will be English. The decision of the arbitrators will be final and binding upon both parties. Therefore, pursuant to paragraph 598 (2) of the Austrian Code of Civil Procedure, the parties expressly waive the application of paragraph 595 (1) figure 7 of the Code. IBM may, however, institute proceedings in a competent court in the country of installation.

In Estonia, Latvia and Lithuania all disputes arising in connection with this Statement of Limited Warranty will be finally settled in arbitration that will be held in Helsinki, Finland in accordance with the arbitration laws of Finland then in effect. Each party will appoint one arbitrator. The arbitrators will then jointly appoint the chairman. If arbitrators cannot agree on the chairman, then the Central Chamber of Commerce in Helsinki will appoint the chairman.

EUROPEAN UNION (EU)

THE FOLLOWING TERMS APPLY TO ALL EU COUNTRIES:

Consumers have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the warranties provided in this Statement of Limited Warranty.

How to Obtain Warranty Service: *The following is added to this section:*

To obtain warranty service from IBM in EU countries, see the telephone listing in Part 3 - Warranty Information.

You may contact IBM at the following address:

IBM Warranty & Service Quality Dept.
PO Box 30
Spango Valley
Greenock
Scotland PA 16 OAH

AUSTRIA, DENMARK, FINLAND, GREECE, ITALY, NETHERLANDS, PORTUGAL, SPAIN, SWEDEN AND SWITZERLAND

Limitation of Liability: *The following replaces the terms of this section in its entirety:*

Except as otherwise provided by mandatory law:

1. IBM's liability for any damages and losses that may arise as a consequence of the fulfillment of its obligations under or in connection with this Statement of Limited Warranty or due to any other cause related to this Statement of Limited Warranty is limited to the compensation of only those damages and losses proved and actually arising as an immediate and direct consequence of the non-fulfillment of such obligations (if IBM is at fault) or of such cause, for a maximum amount equal to the charges you paid for the Machine. For purposes of this item, the term "Machine" includes Machine Code and Licensed Internal Code ("LIC").

The above limitation shall not apply to damages for bodily injuries (including death) and damages to real property and tangible personal property for which IBM is legally liable.

2. **UNDER NO CIRCUMSTANCES IS IBM, ITS SUPPLIERS OR RESELLERS LIABLE FOR ANY OF THE FOLLOWING, EVEN IF INFORMED OF THEIR POSSIBILITY: 1) LOSS OF, OR DAMAGE TO, DATA; 2) INCIDENTAL OR INDIRECT DAMAGES, OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; 3) LOST PROFITS, EVEN IF THEY ARISE AS AN IMMEDIATE CONSEQUENCE OF THE EVENT THAT GENERATED THE DAMAGES; OR 4) LOSS OF BUSINESS, REVENUE, GOODWILL, OR ANTICIPATED SAVINGS.**

FRANCE AND BELGIUM

Limitation of Liability: *The following replaces the terms of this section in its entirety:*

Except as otherwise provided by mandatory law:

1. IBM's liability for any damages and losses that may arise as a consequence of the fulfillment of its obligations under or in connection with this Statement of Limited Warranty is limited to the compensation of only those damages and losses proved and actually arising as an immediate and direct consequence of the non-fulfillment of such obligations (if IBM is at fault), for a maximum amount equal to the charges you paid for the Machine that has caused the damages. For purposes of this item, the term "Machine" includes Machine Code and Licensed Internal Code ("LIC").

The above limitation shall not apply to damages for bodily injuries (including death) and damages to real property and tangible personal property for which IBM is legally liable.

2. **UNDER NO CIRCUMSTANCES IS IBM, ITS SUPPLIERS OR RESELLERS LIABLE FOR ANY OF THE FOLLOWING, EVEN IF INFORMED OF THEIR POSSIBILITY: 1) LOSS OF, OR DAMAGE TO, DATA; 2) INCIDENTAL OR INDIRECT DAMAGES, OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; 3) LOST PROFITS, EVEN IF THEY ARISE AS AN IMMEDIATE CONSEQUENCE OF THE EVENT THAT GENERATED THE DAMAGES; OR 4) LOSS OF BUSINESS, REVENUE, GOODWILL, OR ANTICIPATED SAVINGS.**

THE FOLLOWING TERMS APPLY TO THE COUNTRY SPECIFIED:

AUSTRIA

What this Warranty Covers: *The following replaces the first sentence of the first paragraph of this section:*

The warranty for an IBM Machine covers the functionality of the Machine for its normal use and the Machine's conformity to its Specifications.

The following paragraphs are added to this Section:

The minimum warranty period for Machines is 12 months from the date of delivery. . The limitation period for consumers in action for breach of warranty is the statutory period as a minimum. In case IBM or your reseller is unable to repair an IBM Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of the unrepaired Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

The second paragraph does not apply.

What IBM Will Do to Correct Problems: *The following is added to this section:*

During the warranty period, transportation for delivery of the failing Machine to IBM will be at IBM's expense.

Limitation of Liability: *The following paragraph is added to this section:*

The limitations and exclusions specified in the Statement of Limited Warranty will not apply to damages caused by IBM with fraud or gross negligence and for express warranty.

The following sentence is added to the end of item 2:

IBM's liability under this item is limited to the violation of essential contractual terms in cases of ordinary negligence.

EGYPT

Limitation of Liability: *The following replaces item 2 in this section:*

as to any other actual direct damages, IBM's liability will be limited to the total amount you paid for the Machine that is the subject of the claim. For purposes of this item, the term „Machine“ includes Machine Code and Licensed Internal Code (LIC).

Applicability of suppliers and resellers (unchanged).

FRANCE

Limitation of Liability: *The following replaces the second sentence of the first paragraph of this section:*

In such instances, regardless of the basis on which you are entitled to claim damages from IBM, IBM is liable for no more than: *(items 1 and 2 unchanged).*

GERMANY

What this Warranty Covers: *The following replaces the first sentence of the first paragraph of this section:*

The warranty for an IBM Machine covers the functionality of the Machine for its normal use and the Machine's conformity to its Specifications.

The following paragraphs are added to this section:

The minimum warranty period for Machines is twelve months. In case IBM or your reseller is unable to repair an IBM Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of the unrepaired Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

The second paragraph does not apply.

What IBM Will Do to Correct Problems: *The following is added to this section:*

During the warranty period, transportation for delivery of the failing Machine to IBM will be at IBM's expense.

Limitation of Liability: *The following paragraph is added to this section:*

The limitations and exclusions specified in the Statement of Limited Warranty will not apply to damages caused by IBM with fraud or gross negligence and for express warranty.

The following sentence is added to the end of item 2:

IBM's liability under this item is limited to the violation of essential contractual terms in cases of ordinary negligence.

HUNGARY

Limitation of Liability: *The following is added at the end of this section:*

The limitation and exclusion specified herein shall not apply to liability for a breach of contract damaging life, physical well-being, or health that has been caused intentionally, by gross negligence, or by a criminal act.

The parties accept the limitations of liability as valid provisions and state that the Section 314.(2) of the Hungarian Civil Code applies as the acquisition price as well as other advantages arising out of the present Statement of Limited Warranty balance this limitation of liability.

IRELAND

What this Warranty Covers: *The following is added to this section:*

Except as expressly provided in these terms and conditions, all statutory conditions, including all warranties implied, but without prejudice to the generality of the foregoing all warranties implied by the Sale of Goods Act 1893 or the Sale of Goods and Supply of Services Act 1980 are hereby excluded.

Limitation of Liability: *The following replaces the terms of this section in its entirety:*

For the purposes of this section, a "Default" means any act, statement, omission, or negligence on the part of IBM in connection with, or in relation to, the subject matter of this Statement of Limited Warranty in respect of which IBM is legally liable to you, whether in contract or tort. A number of Defaults which together result in,

or contribute to, substantially the same loss or damage will be treated as one Default occurring on the date of occurrence of the last such Default.

Circumstances may arise where, because of a Default, you are entitled to recover damages from IBM.

This section sets out the extent of IBM's liability and your sole remedy.

1. IBM will accept unlimited liability for death or personal injury caused by the negligence of IBM.
2. Subject always to the Items for Which IBM is Not Liable below, IBM will accept unlimited liability for physical damage to your tangible property resulting from the negligence of IBM.
3. Except as provided in items 1 and 2 above, IBM's entire liability for actual damages for any one Default will not in any event exceed the greater of 1) EUR 125,000, or 2) 125% of the amount you paid for the Machine directly relating to the Default.

Items for Which IBM is Not Liable

Save with respect to any liability referred to in item 1 above, under no circumstances is IBM, its suppliers or resellers liable for any of the following, even if IBM or they were informed of the possibility of such losses:

1. loss of, or damage to, data;
2. special, indirect, or consequential loss; or
3. loss of profits, business, revenue, goodwill, or anticipated savings.

SLOVAKIA

Limitation of Liability: *The following is added to the end of the last paragraph:*

The limitations apply to the extent they are not prohibited under §§ 373-386 of the Slovak Commercial Code.

SOUTH AFRICA, NAMIBIA, BOTSWANA, LESOTHO AND SWAZILAND

Limitation of Liability: *The following is added to this section:*

IBM's entire liability to you for actual damages arising in all situations involving nonperformance by IBM in respect of the subject matter of this Statement of Warranty will be limited to the charge paid by you for the individual Machine that is the subject of your claim from IBM.

UNITED KINGDOM

Limitation of Liability: *The following replaces the terms of this section in its entirety:*

For the purposes of this section, a "Default" means any act, statement, omission, or negligence on the part of IBM in connection with, or in relation to, the subject matter of this Statement of Limited Warranty in respect of which IBM is legally liable to you, whether in contract or tort. A number of Defaults which together result in, or contribute to, substantially the same loss or damage will be treated as one Default.

Circumstances may arise where, because of a Default, you are entitled to recover damages from IBM.

This section sets out the extent of IBM's liability and your sole remedy.

1. IBM will accept unlimited liability for:
 - a. death or personal injury caused by the negligence of IBM; and
 - b. any breach of its obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982, or any statutory modification or re-enactment of either such Section.
2. IBM will accept unlimited liability, subject always to the Items for Which IBM is Not Liable below, for physical damage to your tangible property resulting from the negligence of IBM.
3. IBM's entire liability for actual damages for any one Default will not in any event, except as provided in items 1 and 2 above, exceed the greater of 1) Pounds Sterling 75,000, or 2) 125% of the total purchase price payable or the charges for the Machine directly relating to the Default.

These limits also apply to IBM's suppliers and resellers. They state the maximum for which IBM and such suppliers and resellers are collectively responsible.

Items for Which IBM is Not Liable

Save with respect to any liability referred to in item 1 above, under no circumstances is IBM or any of its suppliers or resellers liable for any of the following, even if IBM or they were informed of the possibility of such losses:

1. loss of, or damage to, data:
2. special, indirect, or consequential loss; or
3. loss of profits, business, revenue, goodwill, or anticipated savings.

Part 3 - Warranty Information

This Part 3 provides information regarding the warranty applicable to your Machine, including the warranty period and type of warranty service IBM provides.

Warranty Period

The warranty period may vary by country or region and is specified in the table below. NOTE: "Region" means either Hong Kong or Macau Special Administrative Region of China.

ThinkPad CD-RW/DVD-ROM Combo Ultrabay Enhanced Drive

Country or Region of Purchase	Warranty Period	Type of Warranty Service
Worldwide	1 year	1, 4

A warranty period of 1 year on parts and 1 year on labor means that IBM provides warranty service without charge for parts and labor during the 1 year warranty period.

Types of Warranty Service

If required, IBM provides repair or exchange service depending on the type of warranty service specified for your Machine in the above table and as described below. Warranty service may be provided by your reseller if approved by IBM to perform warranty service. Scheduling of service will depend upon the time of your call and is subject to parts availability. Service levels are response time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations, additional charges may apply outside IBM's normal service area, contact your local IBM representative or your reseller for country and location specific information.

1. Customer Replaceable Unit ("CRU") Service

IBM will ship CRU parts to you for your replacement. If IBM instructs you to return the replaced CRU, you are responsible for returning it to IBM in accordance with IBM's instructions. If you do not return the defective CRU, if IBM so instructs, within 30 days of your receipt of the replacement CRU, IBM may charge you for the replacement.

2. On-site Service

IBM or your reseller will either repair or exchange the failing Machine at your location and verify its operation. You must provide suitable working area to allow disassembly and reassembly of the IBM Machine. The area must be clean, well lit and suitable for the purpose. **For some Machines, certain repairs may require sending the Machine to an IBM service center.**

3. Courier or Depot Service¹

You will disconnect the failing Machine for collection arranged by IBM. IBM will provide you with a shipping container for you to return your Machine to a designated service center. A courier will pick up your Machine and deliver it to the designated service center. Following its repair or exchange, IBM will arrange the return delivery of the Machine to your location. You are responsible for its installation and verification.

4. Customer Carry-In or Mail-In Service

You will deliver or mail as IBM specifies (prepaid unless IBM specifies otherwise) the failing Machine suitably packaged to a location IBM designates. After IBM has repaired or exchanged the Machine, IBM will make it available for your collection or, for Mail-in Service, IBM will return it to you at IBM's expense, unless IBM specifies otherwise. You are responsible for the subsequent installation and verification of the Machine.

The IBM Machine Warranty worldwide web site at http://www.ibm.com/servers/support/machine_warranties/ provides a worldwide overview of IBM's Limited Warranty for Machines, a Glossary of IBM definitions, Frequently Asked Questions (FAQs) and Support by Product (Machine) with links to Product Support pages. **The IBM Statement of Limited Warranty is also available on this site in 29 languages.**

1. This type of service is called ThinkPad EasyServ or EasyServ in some countries.

To obtain warranty service contact IBM or your IBM reseller. In Canada or the United States, call 1-800-IBM-SERV (426-7378). For other countries, see the telephone numbers below.

Phone numbers are subject to change without notice. For the latest phone number list, go to www-3.ibm.com/pc/support/site.wss/ and click **Support Phone List**.

Country or Region	Telephone Number	Country or Region	Telephone Number
Argentina	0800-666-0011	Malaysia	03-7727-7800
Australia	1300-130-426	Mexico	001-866-434-2080
Austria	01-24592-5901	Netherlands	020-514-5770
Belgium	Dutch 02-210-9820 French 02-210-9800	New Zealand	0800-446-149
Bolivia	0800-0189	Norway	66 81 11 00
Brazil	55-11-3889-8986	Peru	0-800-50-866
Canada	1-800-565-3344 Toronto 416-383-3344	Philippines	632-995-2225
Chile	800-224-488	Portugal	21-791 51 47
China (PRC)	800-810-1818	Russia	095-940-2000
China (Hong Kong S.A.R.)	852-2825-7799	Singapore	1800-840-9911
Columbia	980-912-3021	Spain	91-662 49 16
Denmark	45 20 82 00	Sweden	08-477 4420
Ecuador	1-800-426911 (option #4)	Switzerland	058-333-09-00
Finland	09-459 69 60	Taiwan	886-2-2725-9799
France	02 38 55 74 50	Thailand	66-2-273-4000
Germany	07032-1549 201	Turkey	00-800-446-32-041
Indonesia	021-523-8535	United Kingdom	0-1475-555 055
Ireland	01-815-9202	United States	1-800-426-7378
Italy	02-7031-6101	Uruguay	000-411-005-6649
Japan	Consumer customers 0120-887-870 Business customers 0120-887-874	Venezuela	0-800-100-2011
Luxembourg	298-977 5063	Vietnam	848-8295-160

Anhang C. Notices

IBM may not offer the products, services, or features discussed in this document in all countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

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nificantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Federal Communications Commission (FCC) statement

ThinkPad CD-RW/DVD-ROM Combo Ultrabay Enhanced Drive

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 an IBM authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible party:
International Business Machines Corporation
New Orchard Road
Armonk, NY 10504
Telephone: 1-919-543-2193



Tested To Comply
With FCC Standards

FOR HOME OR OFFICE USE

Industry Canada Class B emission compliance statement

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

Avis de conforme a la reglementation d'Industrie Canada

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

Deutsche EMV-Direktive (electromagnetische Verträglichkeit)

Zulassungbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) vom 30. August 1995 (bzw. der EMC EG Richtlinie 89/336):

Dieses Gerät ist berechtigt in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen. Verantwortlich für die Konformitätserklärung nach Paragraph 5 des EMVG ist die:

IBM Deutschland Informationssysteme GmbH, 70548 Stuttgart.

Informationen in Hinsicht EMVG Paragraph 3 Abs. (2) 2:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024:1998 und EN 55022:1998 Klasse B.
--

EN 55022 Hinweis:

„Wird dieses Gerät in einer industriellen Umgebung betrieben (wie in EN 55022:B festgelegt), dann kann es dabei eventuell gestört werden. In solch einem FA11 ist der Abstand bzw. die Abschirmung zu der industriellen Störquelle zu vergrößern.“

Anmerkung:

Um die Einhaltung des EMVG sicherzustellen sind die Geräte, wie in den IBM Handbüchern angegeben, zu installieren und zu betreiben.

European Union - emission directive

This product is in conformity with the protection requirements of EU Council Directive 89/336/ECC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

IBM can not accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication devices.

Union Européenne - Directive Conformité électromagnétique

Ce produit est conforme aux exigences de protection de la Directive 89/336/EEC du Conseil de l'UE sur le rapprochement des lois des États membres en matière de compatibilité électromagnétique.

IBM ne peut accepter aucune responsabilité pour le manquement aux exigences de protection résultant d'une modification non recommandée du produit, y compris l'installation de cartes autres que les cartes IBM.

Ce produit a été testé et il satisfait les conditions de l'équipement informatique de Classe B en vertu de Standard européen EN 55022. Les conditions pour l'équipement de Classe B ont été définies en fonction d'un contexte résidentiel ordinaire afin de fournir une protection raisonnable contre l'interférence d'appareils de communication autorisés.

Unione Europea - Directiva EMC (Conformidad electromagnética)

Este producto satisface los requisitos de protección del Consejo de la UE, Directiva 89/336/CEE en lo que a la legislatura de los Estados Miembros sobre compatibilidad electromagnética se refiere.

IBM no puede aceptar responsabilidad alguna si este producto deja de satisfacer dichos requisitos de protección como resultado de una modificación no recomendada del producto, incluyendo el ajuste de tarjetas de opción que no sean IBM.

Este producto ha sido probado y satisface los límites para Equipos Informáticos Clase B de conformidad con el Estándar Europeo EN 55022. Los límites para los equipos de Clase B se han establecido para entornos residenciales típicos a fin de proporcionar una protección razonable contra las interferencias con dispositivos de comunicación licenciados.

Union Europea - Normativa EMC

Questo prodotto è conforme alle normative di protezione ai sensi della Direttiva del Consiglio dell'Unione Europea 89/336/CEE sull'armonizzazione legislativa degli stati membri in materia di compatibilità elettromagnetica.

IBM non accetta responsabilità alcuna per la mancata conformità alle normative di protezione dovuta a modifiche non consigliate al prodotto, compresa l'installazione di schede e componenti di marca diversa da IBM.

Le prove effettuate sul presente prodotto hanno accertato che esso rientra nei limiti stabiliti per le apparecchiature di informatica Classe B ai sensi della Norma Europea EN 55022. I limiti delle apparecchiature della Classe B sono stati stabiliti al fine di fornire ragionevole protezione da interferenze mediante dispositivi di comunicazione in concessione in ambienti residenziali tipici.

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