





History

2016	07 06	Chosen as Official equipment for Australian GOLF TEAM for Brazil Olympic Launched Extreme Live Series (New X-GOLF NEX, EYE, MINI)
	05	Acquired ETL certification (X-GOLF NEX)
2045		Made a contract for exclusive distribution of Hainan province, Hong Kong, Macau
2015		Established X-GOLF Middle East
	05	
	04	Made a contract for exclusive distribution of Guangdong province, Hunan province, Fujian
		province, Guangxi Zhuang Autonomous Region
2014		Held the second X-GOLF Worldwide Workshop
2013		Installation contract for simulators at Paraguay direct management shop
2012		Held the first X-GOLF Worldwide Workshop
	07	Selected as Global brand business support by KOTRA
	06	Acquired ETL certification (X-GOLF i2, X-GOLF iR, X-GOLF i2S)
	04	Made an agreement for Own brand support business by KOTRA
2011	12	Acquired certification for world class product of Korea by Ministry of Knowledge Economy
	10	Registered as Federal gov. of the U.S.'s CCR Official Vendor, and received NATO
		Manufacturer code
	09	Established X-GOLF America INC.
	80	Established X-GOLF Australasia
	06	Established X-GOLF Japan
	05	Moved office building for RD-Tek Co., Ltd (Daedeok Science Park)
2010	12	Launched 'X-GOLF I' for both handed players
	06	Acquired ETL certification (X-GOLF PRO, X-BALANCE, SMAS)
	05	Launched archery simulator, 'X-ARCHERY'
	03	Launched X-GOLF PRO Premium (the best backspin and buncker shot realization)
2009	11	Merger for XPGA (Online golf business development and management)
	09	Receive presidential citation from Innovative Technology Show
	06	Received reward for Technology Patents
	06	X-GOLF Educational Institute completed to be built (at Daedeok Science Complex)
	03	Selected as company for export business by Small and Medium Business Administration
	03	Selected as Star Patent company by Korean Intellectual Property Office
	02	Launched X-GOLF PRO
2008		Launched automatic tilting plate 'X-PLATE'
2000	07	Awarded Tower of Sales by Daejeon city
	06	Opened U.S. branch office
	04	Launched 'X-GOLF PLUS' (strenghtend in online management and camera features)
	01	Established XPGA (Online golf business development and management)
	01	Opened China branch office
2007		Nominated as a high-tech company by Ministry of Knowledge Economy
2007	02	Selected as Porspected exporting company by Exporting support office from Small and
	02	Medium Business Administration
2005	10	Acquired superior quality (EM) by KATS and MOTIE
2005		Launched Golf simulatior, X-GOLF, and Auto Ball Feeder, X-Ball.
2004	10	Launched Golf Swing Anlaysis System, 'X-Birdie' and 'X-Balance'
2004		
2002	09	Approved for the exhaust measuring machine and environment measuring machine by NIER
		Approved for sash dynamometer (V-type, S-type, K-type) environment measuring machine
	80	by NIER
		Acquired ISO Certification
2001		Selected as technology innovation SME and prospecting company [INNO-BIZ]
	06	Moved office building & factory for RD-Tek Co., Ltd (3rd industrial park)
	05	Nominated as a venture company by Small and Medium Business Administration
2000	07	Established RD-Tek Co., Ltd.

Patents

- System & method for output status when hitting when using screen golf
- Method for providing ball information when using screen golf and system thereof
- Analysis system for information for golf ball & club head
- Minimum ground clearance auto ball feeder
- Measuring system and method for detecting shot information
- Screen golf system and method for switching state function?using light sensor
- Synchronization system and method for video & sensor signal (1)
- Sensing system for club head's entering angle, space velocity and hitting point for screen golf
- Synchronization system and method for video & sensor signal (2)
- Minimum ground clearance one-point standard eight-direction moving plate
- Synchronization system and method for video & wireless sensor signal
- Method for golf simulator & golf simulation
- Motion Capture system and method using multiple images & storing medium containing programs that execute this method and can be decoded by computer
- Screen golf system and method & storing medium containing programs that execute this method and can be decoded by computer
- Screen golf system and method for putting simulation
- Golf ball feeding device
- A further 8 patents have been developed in addition to the above.

 $^{\prime}$

2016 Brazil Rio Olympic:

Selected for Australia National Golf Team's Official Equipment

X-GOLF simulator was selected for Australia National Golf Team's Official Equipment for 2016 Rio Olympic. X-GOLF simulator was installed at the Edge and got lots of attention from officials and professional golfers.

X-GOLF EYE simulator was installed and it proved accurate spin measuring technology using X-GOLF's marked balls. X-Balance and 300FPS analysis camera enable X-BIRDIE program to provide detailed practice. Australian National Golf Team's was impressed by X-GOLF's exceptional function, graphic and accuracy and enjoyed using the simulator on free time and benefit from using it.

Golf players from Australia praised X-GOLF's superior performance, graphic and accuracy, and this has been turned into a great opportunity for X-GOLF to prove its performance, which can stand comparison with other brands to give lesson to members of national team.



What are X-GOLF's key factors?

Hardware

World's most accurate measuring system

- 1.Capturing:
- 1) Vector and spin of a ball
- 2) Weight transfer curve3)Club Path
- 2. Highly responsiveness
- 3. Remotely controllable
- 4. Updates automatically

Software

Premium multi-lingual digital technology

- 1. Realistic graphics (Window 10, 64bit, FULL HD)
- 2. Lesson & club fitting function
- 3. Motion analysis function for athletes (weight transfer curve, club head path, 300 fos x 2)
- 4.NEW 'Fun-Mode' (Fantasy point based game, GOLF IQ, level-up game)

Web & App

Multi-lingual & worldwide

- 1. 'My Caddie' Digital Locker (manages all personal records: lessons, games, events, etc.)
- 2. 'X-Manager' Premium store management feature (Manages operations of simulators, sales transactions, customer profiles etc.)
- 3. Precision club fitting service with access to branding opportunities by leading club and equipment manufacturers
- 4. Remote lesson feature
- 5. Online tournament play

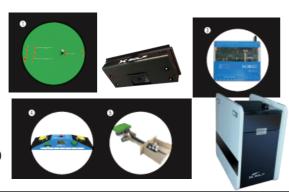
THE WORLD'S MOST ADVANCED SIMULATION TECHNOLOGY

Ideal for Golf professionals and advanced players



Standard Items:

- 1. High-speed Light Source Sensor
- 2. Ceiling Light Source Module (Spin camera sensor is included)
- 3. XGC (X-GOLF 'Data' Controller)
- 4. Master Control Switch Box (MCSB)
- 5. Auto Ball Feeding System
- 6. X-Golf Operating Console (Fixed)



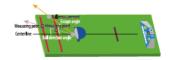


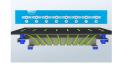














Optional Items:

- 7. Impact Position Sensor
- 8. X-Plate
- 9. X-Balance
- 10. Analysis Camera 60FPS (Optional: 120FPS or 300FPS)
- 11. X-Golf Operating Console

(Movable)



1. Spin camera sensor

High speed camera measures the image to calculate side spin and backspin.

2. Club sensor

Measures club head's horizontal trajectory & speed Four precision sensors surrounding impact zone on the floor, which interpret the club's horizontal trajectory, impact angle at contact point and launch angle.

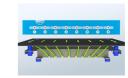
3. Ball Sensor

Measures launch angle, speed and direction of the ball.

4. Impact Position Sensor (Optional)

8-Channel sensor measuring ground impact, indicating fat and thin shots













State-of-the-art camera system delivers accuracy & realism

For golfers of all levels



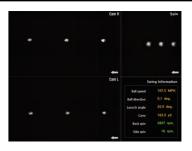
Standard Items:

- 1. Camera Sensor module (Spin camera sensor is included) 2. Master Control Switch Box
- (MCSB)
- 3. Auto Ball Feeding System

4. X-Golf Operating Console (Fixed)







X-GOLF EYE Sensors and Functions

This sophisticated camera system is easy to install and operates in all environments. It directly measures 3D trajectory and 3D rotation of the golf ball in flight.



- 1. High Speed Imaging System Includes:
- * Software for recognizing golf ball rotation and trajectory
- * Capacity to measure ball revolutions (direction and speed) allowing for accurate tracking of trajectory via spin
- * Measures ball speed, ball direction and launch angle;



2. Spin Camera Sensor

* The high-speed camera captures and decodes a series of images to calculate side spin and back spin.







Optional Items:

- 5. X-PLATE
- 6. X-BALANCE
- 7. Analysis Camera 60FPS (Optional: 120FPS or 300FPS)
- 8. X-Golf Operating Console(Movable)



X-GOLF MINI is a compact and simplified simulator using Laser Sensor technology

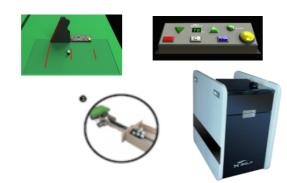
The Mini acts as a virtual driving range ideal for practice





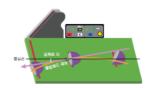
Standard Items:

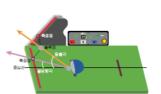
- 1. High-Speed Light sensor
- 2. Master Control Switch Box (MCSB)
- 3. Auto Ball Feeding System
- 4. X-Golf Operating console (Fixed)











X-GOLF MINI Sensors and Functions

1. Club Sensor

Measures club head's horizontal trajectory & speed Four precision sensors surrounding impact zone zone on the floor, which interpret the club's horizontal trajectory, impact angle at contact point and launch angle.

Ball Sensor
 Inclined and floor sensors measures launch angle, speed and direction of a ball

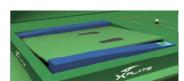


5. X-Plate

6. X-Balance

7. Analysis Camera 60FPS (Optional: 120FPS or 300FPS)

8. X-Golf Operating console (Movable)



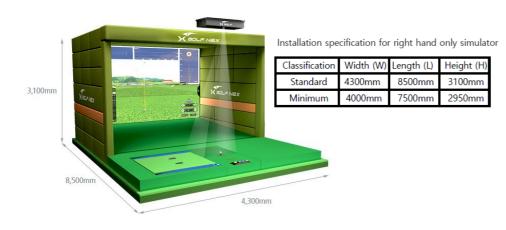




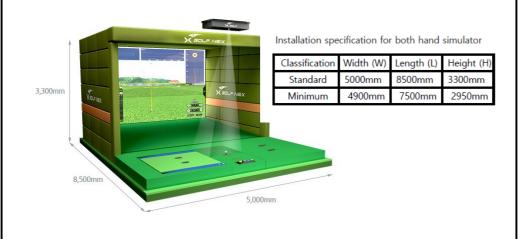


Standard Dimension for X-GOLF Installation

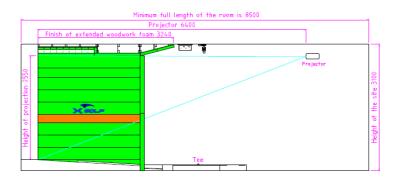
X-GOLF Booth for Right hand only simulator



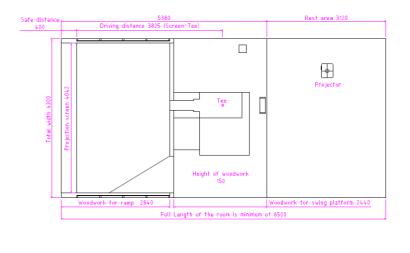
X-GOLF Booth for Both hand simulator



Side view of booth



Floor plan of booth

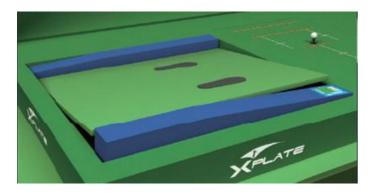


X- Plate

The world's first automatic tilting plate that mimics the true course undulations

X-Plate is an impressive feature that makes screen golf more realistic, as it literally adjusts to reflect the ground's slope, in all directions. You can also manually adjust the slope to practice uphill, downhill and side hill lie shots.

This creates a remarkably realistic and enjoyable experience for players.



- Precise tilting sensor is loaded (Actual control error range: MAX 0.15°)
- The smallest height 150mm/including artificia
- Anti-static function is built i
- Minimized noise and back lashing prevention by applying BLDC motor and helical gear
- Automatic and Manual contro
- Displaying part for various information is loaded (Motor condition, degree of slope, and encoder value are displayed)
- Durability that can hold up to 400kg
- Auto calibratio
- Emergency controlling function (mechanical) for the situation of when automatic control system is broken (Game can be continued
- Anti bali jamming device and self-diagnose device in real-time are built in

Composition of X-PLATE

- **1** Control panel Both automatic and manual mode
- **2 Driving gear -** Solid and precision structure (patent granted)
- Shows motor condition, slope angle and encoder value.



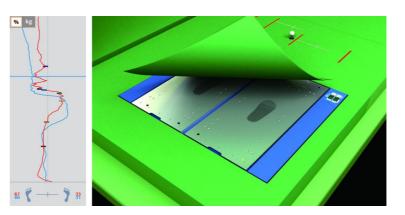




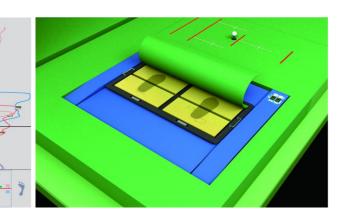
X-Balance

Precise weight transfer and distribution measurement tool

X-Balance enables weight distribution and transfer to be measured. It can be configured to measure left and right weight transfer only, or can be combined with front and rear weight transfer. This can be done through either a 2 channel or 4 channel system. Players can see, in real-time, how their weight is distributed at set-up (when used with X-Birdie) and how weight is transferred throughout their swing.



2CH BALANCE



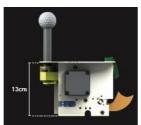
4CH BALANCE

X-Ball

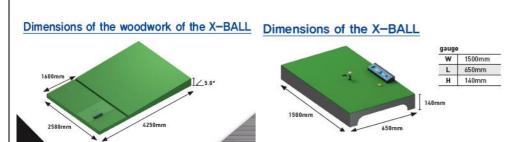
The best auto tee-up system with durability of over 10 years

Characteristics of X-Ball

- 1. Luxurious exterior and enhanced durability
- The rubber tee's free movement minimizes friction and absorbs the shock while hitting.
- Tee height can be adjusted exactly by 1mm with a controlling step motor instead of regular a DC motor 2. Minimizing installation cost with World's smallest height
- 3. Smart auto tee-up device and easy instruction
- Enables ball detection and adjustable tee height depending on player
- Measure precise launch angle by reflecting ball's starting point and height automatically during the hitting

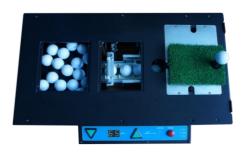








X-BALL A



X-BALL B



X-BALL C

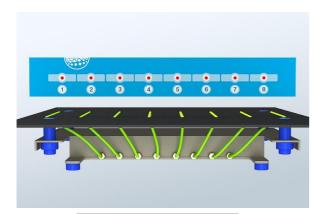
Impact Position Sensor

The first analyzing device in the world for accurate shot.

8-channel impact position sensor measures the impact position of the club and analyzes various shots such as the fat shot and topping and can reproduce the movement of a ball.

Characteristics of the Impact Position Sensor

- 1) By using 8 durable piezoelectric methods of sensor to accurately measure strike position
- 2) By analyzing the data from the impact position sensor & down sensor when hitting, it accurately measures entrance trajectory & impact distance.
- 3) Inbuilt display on the front wall showcases an impact location by 8 levels
- 4) Integrated sensor and amp board allow for easy maintenance
- 5) Applying anti-shock technology allows use of AMP module without failure
- 6) Built-in analog 8-channel and digital 8-channel output functions



Impact Position Sensor

X-GOLF GAME

1. Full HD game that's very realistic!
The full HD projector and window 10's 64bit program replicate the feeling that players are on the green

2. Enjoy different game modes!

X-GOLF provides different game modes - Stroke, Skins, Par3, Single, 3 Some, 4 Some, 3 Ball, and 4 Ball - and events - nearest pin, longest driver, and putting - to customers to enjoy the game for fun.

3. Enjoy games and lessons at the same time! Players can get feedback through data, imagery and video on spin and club path, to analyze or proceed for lesson during the game.













Figure Figure 1 To the first term of the first t

Game mode display

Add player (with QR code) display





Game option display

Driving range



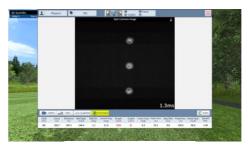


Dynamics display

Replay function

Analysis Mode

Players can check their club path and spin image to analyze and correct their posture during the game.





Spin image

Overview





Club Path

Video with weight balance

FUN MODE

Various elements for Fun!

FUN MODE offers different games - learning game, point game, and short game - and design consists of unique and cute characters along with variety of colors. Unlike the traditional X-GOLF game, everyone including novices and children can enjoy the game, and their skills will be improved.





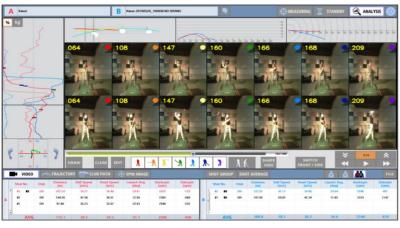


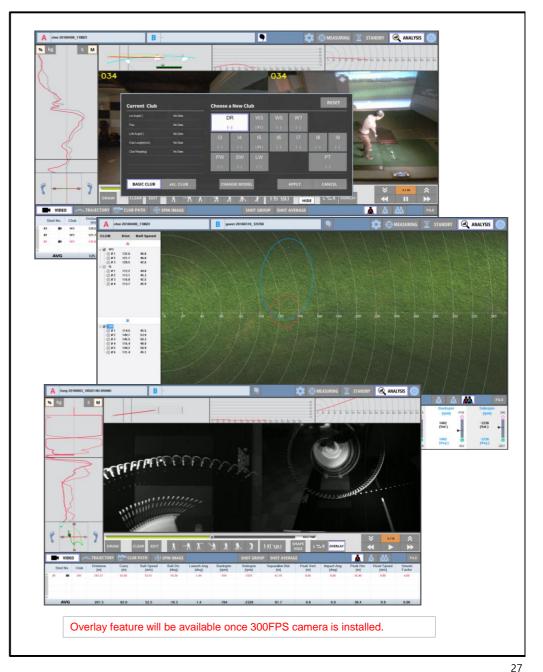


X-BIRDIE

X-BIRDIE is a high performance program for professional lesson and club fitting. It gives detailed weight transfer curve, club path and spin image and comparison features by using the analysis camera, and allows players to analyze in detail and throughout lessons.





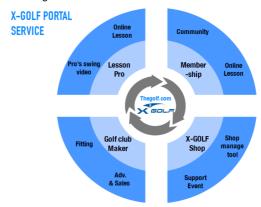


WEB Service

X-GOLF Portal Service

What is the X-GOLF Portal Service?

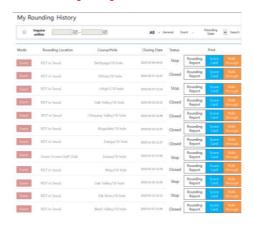
X-GOLF's online service is an online network service with an online lesson system, a fitting system that ties in with club manufacturers and a store management system, X-Manager, which is optimized for driving range & screen golf venues.



Digital Locker

What is My Caddie?

MyCaddie provides information on average driving distance, fairways hit, average putts-perround for every games played by players. Also, players can check and see event game result, ranking, swing videos and other information online.





Local tournament & Event

Local Tournament & Events

Every XPGA member can enjoy the game by entering local or store tournaments, and prizes will be given for the winner.





X-Manager

What is X-Manager?

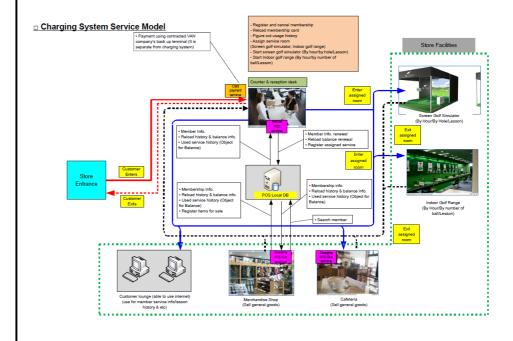
X-Manager is X-GOLF's exclusive store management program which is optimized for driving range and screen golf venues. X-Manager provides services include customer management, store operation management, and game history management etc.



Reload System

What is Reload System?

Reload system is the linkage system for X-MANAGER and it helps customers to pay for the game, beverage and other services.

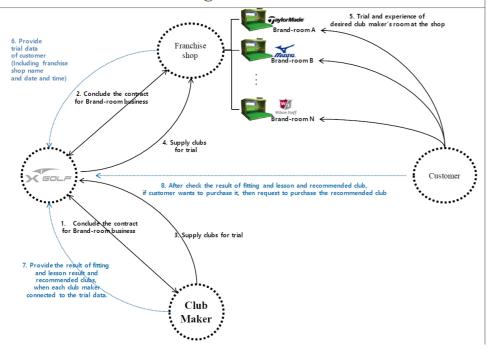


Brandroom

What is Brand Room Service?

A web service that allows different club manufacturers to use X-GOLF's world-class lesson and club fitting features within a store environment, to represent their brand and drive sales.

Brand Room Service Diagram

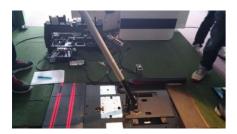


What makes X-GOLF so distinctive?

Distinction 1. Accuracy and Reliability

Enjoy Real Golf

Unlike competitor, X-GOLF simulator provides specially designed marked ball and camera for spin measure and this combination gives accurate back spin, side spin, ball's direction, ball's speed and quality of a ball. X-GOLF simulator has been certified its' accuracy and durability by national authority and it is getting lots of compliments from professional golfers worldwide.

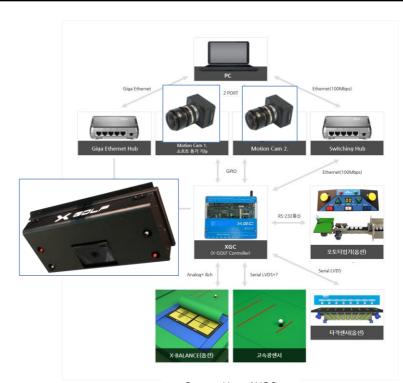








National Certification Authority Equipment Performance Testing



Composition of XGC

XGC is a controller which maximizes the performance of X-GOLF simulator. It uses multi-channel and able to process data at high speed. It maximizes performance of a controller using better CPU and stable Linux O.S. and better expendability to various sensors. XGC detects status of light sensors and weight balance using test program and detects sensors' malfunction using FIFO mode (First in, first out). By combining communication ports into one, it minimizes the error when opening communication ports and stabilizes communication.

Distinction 2. Maintenance and Durability

Just Play!

1. Warranty on simulator lasts 2 years

In the rare instance that parts manufactured by RDT malfunction, RDT provides after sales service for free (excluding spare parts/ consumables)

In the case that products were purchased by a third party (PC, projectors, and more), RDT provides a one year warranty.





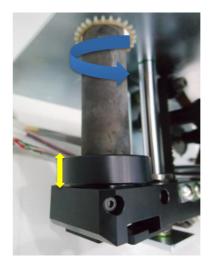


ETL Certification



PL Insurance

- 2. The lowest failure rate among golf simulator industry 71 cases/ 2,412 simulators/ 1 year (2015.07~2016.06) = 0.25%/month
- Number of cumulative sales for X-GOLF : 2.412 simulators
- Number of failure rate for X-GOLF (2015.07~2016.06): 71 cases
- No customer has required serious assistance due to product failure worldwide for the past 5 years



Spring design for ease of adjustment and anti-vibration camera sensor

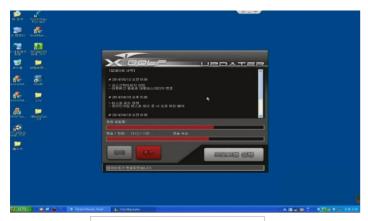
Rubber tee rotating 360°



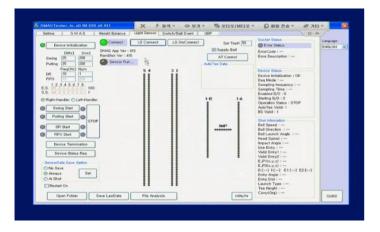
Detailed design for ball dispenser

3. Rapid response and action through online remote support.

X-GOLF has an online service that allows remote and real-time software updates. This ensure optimal and updated performance of the simulator technology.



Real time display for online update



Display for Online Remote control

* After requesting after sales service, X-GOLF will providing an initial answer regarding a solution (including remote connection) and fast-track a plan within 48 hours through phone or email.

4. Self-repairing module design

X-GOLF applies various sensors and signal transmissions between devices digitally to prevent noise and enable self-diagnosis. All cables are labeled and directly listed in the user-manual which allows clear and easy self-repairing.



Labeling for Cables

5. Upgrade

1) Software Upgrades:

Free automatic updates for 2+ years (for area where servers are established). Additional golf courses will be charged separately.

2) Hardware Upgrades:

Expense for upgrading to new simulator or version will be charged.

Distinction 3. Easy to Use

Simply Enjoyable

1. Various manuals for X-GOLF

RDT offers various users' manuals to help customers to use simulator easily.



Software User Manual

	Classification	Category	Manual List
-		Install	Booth Installation Manual
	EYE	IIIStaii	Specification for simulator installation (Camera Setting Manual)
	LIL	Manual	Users' Manual(Manual for simulator education)
			Manual for simulator inspection (Daily inspection)
	NEX	Install	Booth Installation Manual
			Specification for simulator installation (Camera Setting Manual)
		Manual	Users' Manual (Manual for simulator education)
			Manual for simulator inspection (Daily inspection)
		Install	Booth Installation Manual
	Mini		Specification for simulator installation
		Manual	Users' Manual (Manual for simulator education)
	Common	Manual	A/S Manual for symptom-to-action
	X-Fitting	Manual	X-Fitting Users' Manual
	Common	Manual	X-Birdie Users' Manual
	Common	Manual	X-Manager Users' Manual
	Optional	Manual	X-Plate Manual

2. Loaded with convenient functions

Tee height control button and ball supply control button are built in Buttons for L/R direction change, mulligan, putting preview, and swing analysis window are built in.



MCSB

3. Easy operation for program

- Simple
- Logical
- Systematical Easy to memory



Dynamics



System



Setting

Installation example

Stores

- To create a more enjoyable experience, certain partners have installed X-GOLF simulators at sports bars





* X-GOLF Avonhead in Christchurch, New Zealand

Golf clubs

- X-GOLF Simulators have been installed at golf courses with professional golfers to provide lessons and have fun at the same time.





* Parkwood Golf club in Australia

Residential

- X-GOLF simulators have been installed at luxury mansions in U.S.A., Australia, Middle East and can be used for karaoke, movies and more.





* Residential in Texas, United States

Vessel & construction sites

- X-GOLF simulators have been installed to FLNG, Drillship, PGC and other vessels to benefit ship owners. Also simulators have been installed to overseas installation site to benefit construction companies' employees.



Exhibition History

2016 Mar. Participated in Beijing PGA Merchandise Show Jan. Participated in Orlando PGA Merchandise show Participated in Abu Dhabi Golf Championship (with Etihad Airways) 2015 Nov. Participated in Ultimate sport expo Participated in The Leisure Show 2015 Jun. Participated in 2015 Franchise trade show May Participated in 2015 Dubai Travel Expo in Dubai, UAE(with Etihad Airways) Feb. Participated in 2015 NFL Super Bowl in Phoenix Jan. Participated in Orlando PGA Merchandise show 2014 Nov. Participated in 2014 BetEasy Masters, Participated in Metropolitan Golf Club Oct. Participated in GITEX 2014 (Gulf Information Technology Exhibition) Participated in Korea Golf Fair Mar. Participated in Korea Golf Fair Feb. Participated in Japan Golf Fair Jan. Participated in Orlando PGA Merchandise Show 2013 Nov. Participated in Talisker Masters, Participated in TANG XIA Expo Participated in Kormarine, Participated in CEATEC Japan Participated in CEDIA Expo Jun. Participated in JFE Mizuno Open Mar. Participated in Las Vegas PGA Show Participated in Korea Golf Fair, Participated in APSDEX & JIDD Feb. Participated in Japan Golf Fair Participated in Orlando PGA Merchandise Show 2012 Jul. Participated in CEDIA Expo Mar. Participated in China Golf Show Feb. Participated in Japan Golf Fair Participated in Orlando PGA Merchandise Show 2011 Sep. Participated in CEDIA Expo Mar. Participated in Korea Golf Fair Feb. Participated in Orlando PGA Merchandise Show **2009** Mar. Participated in Korea Golf Show Participated in Orlando PGA Merchandise Show **2007** Feb.

2003 Jan. Participated in Orlando PGA Show

Pictures for exhibition will be added